Local Emergency Planning Committee (LEPC)

Tuesday, January 16, 2018
2:30pm to 4:30pm
Council District 1
Introduction and LEPC Business Meeting
Agenda

• Welcome and Introductions
  – Ryan Broughton, Executive Director of Denver OEM/LEPC Chairperson
  – Gary Freeman, LEPC Vice-Chairperson
  – Participant Introductions
• LEPC Overview
• LEPC Membership
• Denver Risk Overview
• Overview of Council District One’s Risk
• LEPC Pilot Program
• What to do about your risk?
• Open Discussion & Feedback
• Guest Speaker: Overview of new CEOS Tier II filing system
• The next LEPC Meeting
Election of Vice-Chair will occur at the next meeting
LEPC Overview
LEPC Overview

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
Chemical Industry In Colorado

- $5.5 Billion Industry
  - Second largest manufacturing industry
- 6,104 direct jobs and 8,790 related jobs
  - $75,890 annual average wage
- $51 Million in state and local taxes
  - $241 Million in federal taxes
What EPCRA Requires of the LEPC

**Organize**
- Membership consists of key stakeholders
- Report membership to SERC
- Appoint a Chair
- Establish bylaws

**Plan**
- Create hazmat emergency response plan with 9 elements
- Annually review the plan
- Create process to implement and exercise the plan

**Inform**
- Create process for handling information requests
- Appoint Public Information Coordinator
- Publish where public can access MSDS sheets, chemical inventories, and response plans
EPCRA’s Required Plan Components

**Identify**
- Hazmat facilities and transportation routes
- Response procedures
- Facility and community emergency coordinators
- Methods of notification for incidents
- Ways to identify a release is occurring and who it will affect

**Plan**
- Create steps to implement the plan
- Create training program for responders
- Determine evacuation procedures
- Document emergency resources and responsibilities
LEPC Membership
Why Join the LEPC

**Industry**
- Build relationships with the community around your facility
- Build relationships with industry peers
- Build relationships with first responders
- Learn and share best practices
- Be a good member of the Denver Community
- Ensure your facility’s plans are coordinated with the community
- Fulfill regulatory mandates

**Citizens**
- Learn about your neighborhood’s risk from hazardous materials
- Learn how to protect you and your family from those risks
- Build a relationship with first responders and industry
- Participate in the development of your community’s emergency plans
Who is Required to be in the LEPC?

- Police Department
- Fire Department
- Civil Defense (Emergency Management)
- Public Health
- Transportation Organizations
- Environmental Professionals
- Chemical Facilities
- Community Groups
- Media
1. Indicate that you wish to be a member on the LEPC sign in sheet.
2. Attend the next LEPC meeting to be voted in
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
Risk Overview
City & County of Denver

- “Mile High City” (5280ft)
- 682,000 residents
  - 1M daytime population
  - 2.9M in Denver Metro
  - 19th Largest U.S. City
  - 23% growth since 2000
- 155 square miles
- 6th Busiest U.S. Airport
  - 58.3 million passengers yearly
- 31.5M Visitors in 2016
- 2016 “Best Place to Live”
- Most Geographic Isolation of any big city (>500 miles)
• **Risks:** natural, technological, terrorism, and intentional threats and hazards

• **Mission Areas:** prevention, protection, mitigation, response, and recovery operations
Risk Assessment

- 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
Hazardous Materials
Pipelines & Hazardous Materials Routes

Gas Transmission Pipelines
Hazardous Liquid Pipelines
Flammable & combustible liquids – 50%
Misc. hazardous materials – 24%
Flammable & toxic gases – 16%
Corrosive substances – 9%
Council District One’s Risk
District 1
District 1
District One Common Chemicals

- Crude oil and other chemicals shipped by rail
- Anhydrous Ammonia
- Diesel Fuel
- Lead Acid Batteries (Sulfuric Acid and Lead)
What to do about my risk?
• 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?
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
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 disaster 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
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
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
LEPC Pilot Program
LEPC Pilot Program

- Partnership with US EPA to increase impact of LEPC
- Survey sent to all Denver Tier II filing facilities and pipelines
1. Are you aware of EPA, OSHA, DHS, DOT, and state requirements for your facility?

78 responses

- 98.7% Yes
- 0.9% No
- 0.4% I don't know
6. Have you developed an emergency plan or procedures?

78 responses

- Yes: 92.3%
- No: 7.7%
11. Have you discussed your emergency plan or procedures with local responders, LEPC, and/or the public?

78 responses

- Yes: 52.6%
- No: 47.4%
12. Do you provide community outreach to prepare for potential releases?

78 responses

- Yes: 10.3%
- No: 89.7%
How does the LEPC facilitate coordination between facilities, residents, and responders?
Training and information

- Denver OEM Twitter Account: https://twitter.com/DenverOEM
- Denver Hazard Mitigation Plan: www.denvergov.org/hazardmitigation
- Department of Environmental Health: https://www.denvergov.org/EnvironmentalHealth
- Denver Maps: www.denvergov.org/maps
- Ready.gov: www.Ready.gov
- Environmental Protection Agency (EPA) Region 8 Preparedness Unit Newsletter: www.epa.gov/emergency-response/region-8-preparedness-unit-newsletter-paratus
- Denver Urban Waterways Restoration Study: www.denvergov.org/content/denvergov/en/denver-waterways.html
- Denver Ready Programs: www.Denvergov.org/OEM
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?
Next LEPC Meeting

When:    February 20, 2018 from 2:00 to 4:00 PM
Where:   TBD location in Denver Council District 2

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

Carolyn Bluhm at 303.725.3084
    ➢ Carolyn.Bluhm@denvergov.org
David Powell at 303.865.7897
    ➢ David.Powell@denvergov.org

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

### Date of Meeting:
01/16/2018

### Time:
2:30 PM – 4:30 PM

### Agenda Prepared By:
David Powell

### Location:
1311 W 46th Ave, Denver, CO 80211

### 1. Meeting Agenda (describe purpose and desired outcomes/outputs):

- Welcome and Introductions
- LEPC Overview: Purpose and functions of the LEPC
- LEPC Membership: How to join the LEPC
- Denver Risk Overview
- Overview of Council District One’s Risk
  - Facilities
  - Rail
  - Highway
- LEPC Pilot Program
  - Industry survey results
- What To Do About Your Risk?
  - Make a plan
  - Build a kit
  - Protective actions
- Open Discussion & Feedback
- Guest Speaker Fran Santagata: Overview of new CEOS Tier II filing system
- LEPC Feedback and Suggestions
- The Next LEPC Meeting

### 2. Desired Meeting Participants (identify organizations to participate in meeting):

- Denver Police Department
- Denver Fire Department
- Denver Office of Emergency Management
- Public Health
- Transportation Organizations
- Environmental Professionals
- Chemical Facilities
- Community Groups
- Media
<table>
<thead>
<tr>
<th>Meeting Name:</th>
<th>Local Emergency Planning Committee (LEPC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of Meeting: (MM/DD/YYYY)</td>
<td>01/16/2018</td>
</tr>
<tr>
<td>Time:</td>
<td>2:30 PM – 4:30 PM</td>
</tr>
<tr>
<td>Agenda Prepared By:</td>
<td>David Powell</td>
</tr>
<tr>
<td>Location:</td>
<td>1311 W 46th Ave, Denver, CO 80211</td>
</tr>
</tbody>
</table>

### 3. Meeting Action Items
(identify action items or decisions to be made during meeting):

- Define LEPC goals and membership requirements
- Educating citizens on chemical hazards in their council district
- Educating citizens about what to do concerning those hazards
- Inform industry of changes to the Tier II filing system
- Discuss ways to create a collaborative preparedness strategy between facilities, the community, and responders

### 4. Next Meeting (if required):

| Date: (MM/DD/YYYY) | 02/20/2018 |
| Time: (24-hour) | 14:00–16:00 Mountain |
| Location: | Council District 2 |