Multi-Jurisdiction PREP Exercise - case study
Hilton Ballpark, St. Louis
August 25-27, 2015
• Marathon Petroleum has been moving toward ever more complex exercises.
• With DWH and Enbridge-Marshall releases, the bar had been raised a magnitude, or more. It also opened up opportunities to practice Unified Command.
• Past RRT discussions indicated some interest on border spills. Also build on a recent spill.
• Annual drill meets PREP requirement, provides training through practice opportunity, and allows Marathon Petroleum to measure itself against the global response community.
History – Yearly Top Tier Team Tabletop

- Earthquake Drill, Robinson, IL 2006
- SONS 07, Evansville Venue sponsor 2007
- Houston, Hurricane Drill 2008
- Multi-region Nexus, Huntington, WV 2009
- Offshore Blowout, Lafayette, LA 2010
- Multi-location Drill, Tampa & New Orleans 2011
- Multi-business Unit Drill, Galveston, TX 2012
- Security/Cyber/Spill Exercise, Canton, OH 2013
- Multi location Drill, Memphis and Baton Rouge 2014
Exercise Overview

- Cross-Jurisdiction, Multi-incident
  - Multiple releases, caused by windstorm
    - Tank valve failure causes Cold Lake Crude Release
    - Barge collision results in Cold Lake Crude Release
    - Both plumes join in the Mississippi river
- EPA and USCG brought nearly full IMT’s
- One planning cycle over 19 hours of drill play (slow play)
- Debrief after each meeting
- Organization and section specific goals
- One press conference
Planning the Exercise

- HSEEP lite – More meetings, more overlap in agenda
- Planning meetings held at Hilton Ballpark.
- Incorporating special design elements into exercise
  - Multi agency
  - Multi region
  - Three IMT’s
  - Two states
  - Salvage effort
Exercise Scenario

- Hartford, IL Tank Farm
  - Wind driven debris breaks a valve bonnet on tank
  - Gopher hole, ditches, Cahokia Canal, Mississippi River
- Barge
  - Runaway Stone Barges causes collision
  - Oil Barge holed and grounded on Missouri bank of Mississippi River
The Timeline

- T-8hrs: Wind event causes Tank leak
- T-3hrs: Barge collision
- T-0hr: Simulated 201 briefing
- T+2hrs: UC Meeting
- T+4hrs: start the injects
- T+5hrs: Command and General staff Meeting
- T+10hrs: Dead body floats into containment
- T+15hrs: Press Conference
- T+17hrs: IAP delivered
- T+18hrs: Ops Briefing End Ex
- T+20hrs: Critique/Hotwash
IMT Objectives

- Annual Tier 3 IMT Exercise is practice for an all volunteer team
- Integrate 3 IMT’s
- Work one complete planning cycle
- Involve Federal, State, Local, and NGO
- Initial effort on Salvage plan
Artificialities

- 24-hour broken daylight (time separation)
- Quick start
- Early pull for information and UC drift
- Size of the IMT
  - Budget concerns allow only one exercise per year
  - Two shifts – rotate leads
- No weather effects
Things that Went Well

- Location/Facility
- Integration of IMT’s
- Higher level Training pays dividends
- More sophisticated Simcell
- Balance of stress and simulation is close
- Handing VIP’s
- Planning Committee Enthusiasm
- Qualification sign-offs
- Software ease of use
Opportunities for Improvement

- Keep pushing the training (position specific and software)
- Utilize more SME’s in SimCell
  - Enhanced air monitoring presentation
- Recruit an NGO for volunteer management
- Information flow to Sit Stat is klunky and incomplete
- Enhanced sit stat board
Improvements, cont.

- Data Management System
- PRFA’s ;-)
<table>
<thead>
<tr>
<th><strong>Drill Mechanics</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Announce not only drill time but don't try to connect it with real time</td>
</tr>
<tr>
<td>Need more SME's in Simcell, Legal, AMT, OPS, Prepopulate claims info for Simcell</td>
</tr>
<tr>
<td>Post meeting hotwash worked well**</td>
</tr>
<tr>
<td>Continue scheduling post meeting hotwash</td>
</tr>
<tr>
<td>More communication on Demob 14 days was established as</td>
</tr>
<tr>
<td>Continue providing Area plan when sufficiently detailed</td>
</tr>
<tr>
<td>Leading Edge and character needs to improved</td>
</tr>
<tr>
<td>Simulate field communication to give a feeling for delays</td>
</tr>
<tr>
<td>any real value here?</td>
</tr>
<tr>
<td>USCG needs to be in Salvage</td>
</tr>
<tr>
<td>Keep the slow format stick with the plan, education issue for all sections</td>
</tr>
<tr>
<td>Part of Each Meeting, Coach IC's To Request from SUL and Add to Drill agenda for Exec's</td>
</tr>
<tr>
<td>Incorporate External influences within drill design</td>
</tr>
<tr>
<td>SimCell inputs should be done face to face</td>
</tr>
<tr>
<td>Incorporate into SimCell instruction</td>
</tr>
<tr>
<td>Include volunteer issues into drill design***</td>
</tr>
<tr>
<td>Need proper easels for major tables</td>
</tr>
<tr>
<td>Add to checklist</td>
</tr>
<tr>
<td>Complete a notification sheet for the initial response. Inform the UC of who has been notified of the event</td>
</tr>
<tr>
<td>Be more diligent in simulating 201, add to MSEL inject</td>
</tr>
<tr>
<td>Need leading edge on COP Map</td>
</tr>
<tr>
<td>Discuss with section, and enhance and add Checklist, add initial monitoring to 201</td>
</tr>
<tr>
<td>Flow of air monitoring data entered into ALIRTS as these items are reviewed and addressed by each ICS Section. UC did not have timely sit stat for drill</td>
</tr>
<tr>
<td>Awareness issue For IC's</td>
</tr>
<tr>
<td>Need an agenda for the UC meeting</td>
</tr>
<tr>
<td>Develop a poster size one</td>
</tr>
<tr>
<td>WebIap Ver 5 worked Well*** with Planning</td>
</tr>
<tr>
<td>WebIap wasn't available to Public responders</td>
</tr>
<tr>
<td>PDU post with Sit stat, Emphasize in Drill planning</td>
</tr>
<tr>
<td>Need leading edge on COP Map</td>
</tr>
<tr>
<td>Discuss with section, and enhance and add Checklist, add initial monitoring to 201</td>
</tr>
<tr>
<td>Flow of air monitoring data entered into ALIRTS as these items are reviewed and addressed by each ICS Section. UC did not have timely sit stat for drill</td>
</tr>
<tr>
<td>Awareness issue For IC's</td>
</tr>
<tr>
<td>Need an agenda for the UC meeting</td>
</tr>
<tr>
<td>Develop a poster size one</td>
</tr>
<tr>
<td>WebIap Ver 5 worked Well*** with Planning</td>
</tr>
<tr>
<td>WebIap wasn't available to Public responders</td>
</tr>
<tr>
<td>PDU post with Sit stat, Emphasize in Drill planning</td>
</tr>
<tr>
<td>Need leading edge on COP Map</td>
</tr>
<tr>
<td>Discuss with section, and enhance and add Checklist, add initial monitoring to 201</td>
</tr>
<tr>
<td>Flow of air monitoring data entered into ALIRTS as these items are reviewed and addressed by each ICS Section. UC did not have timely sit stat for drill</td>
</tr>
</tbody>
</table>

**The Long List of Opportunities for Improvement**

98 items
The Exercise Stats

- 7 member Unified Command
- Two-and-one-half days spent in exercise
- 213 participants representing 23 organizations
- 1 Full planning cycle
- 2800 feet of Cat5 cable
- Equipment display by OSRO
Summary

- Drill planning process A-
  - Need more engagement by locals
- Marathon IMT A-
  - Improving through higher level training
  - Continue training to a higher savviness in national response system
- Unified Command, Plans, JIC, OPS, Environmental A+
Marathon Petroleum thanks:

- USCG
- USEPA
- NOAA
- IEPA
- IDNR
- MDNR
- County of St. Louis
- City of St. Louis (EMA & PD)
- Environmental Restoration
- T&T Salvage
- Tristate Bird Rescue
- HP
- EMSI
- WPNT
- The Response Group
- GRS
- URS
- Arcadis
- CTEH
- Blackbox
- Foster Wheeler