East Harlem Gas Incident

March 12, 2014
East Harlem Gas Incident

- 8 Fatalities
- 50 Injuries
- 100+ families displaced from homes
Two Investigative Teams

- One assisting the NTSB
- One conducting State investigation (independent of the NTSB Team)
Timeline

• Pre-Installation
• Post Installation/Pre Incident
• Incident Response
• Post Incident
Pre-Installation

• 2011 – NYC Sewer Inspection - Missing Bricks

• 12/2011 – Plastic Gas Facilities Installed
  – Section of Cast Iron Main replaced, new service fused for 1642.
Post Installation/Pre Incident

- 7/2013 – Con Ed Mobile Leakage Survey
- 2/28/2014 – Con Ed Frost Survey
- 3/5/2014 – NYC DEP Water survey
- 3/9/2014 – NYC DOT road repair
- 3/12/2014 – Gas Odor Report
Incident Response

- Gas Odor Call – Dispatch
- Fire Banks (3)
Post incident

- PE Qualifications (Case 14-G-0212)
- Public Awareness Enhancements
- Monthly System wide Leakage Surveys
Causes of Incident

INFRASTRUCTURE

• Sewer
  • Road Depression/Repair
• Fusion
  • Partial Separation
Failure of Fuse Near Curb at 1642
Fusion Failure
Partial separation from pipe
Contaminated Fusion Surfaces

1642 Fusion

Oil-Contaminated Fusion
Crack in Service Tee
Recommendations

- Road Depression/Sink-hole Program
- OQ Compliance
- QA/QC inspections
- Valves
- Public Awareness Effectiveness