



**Public Service  
Commission**

# **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

# Sewer Breach

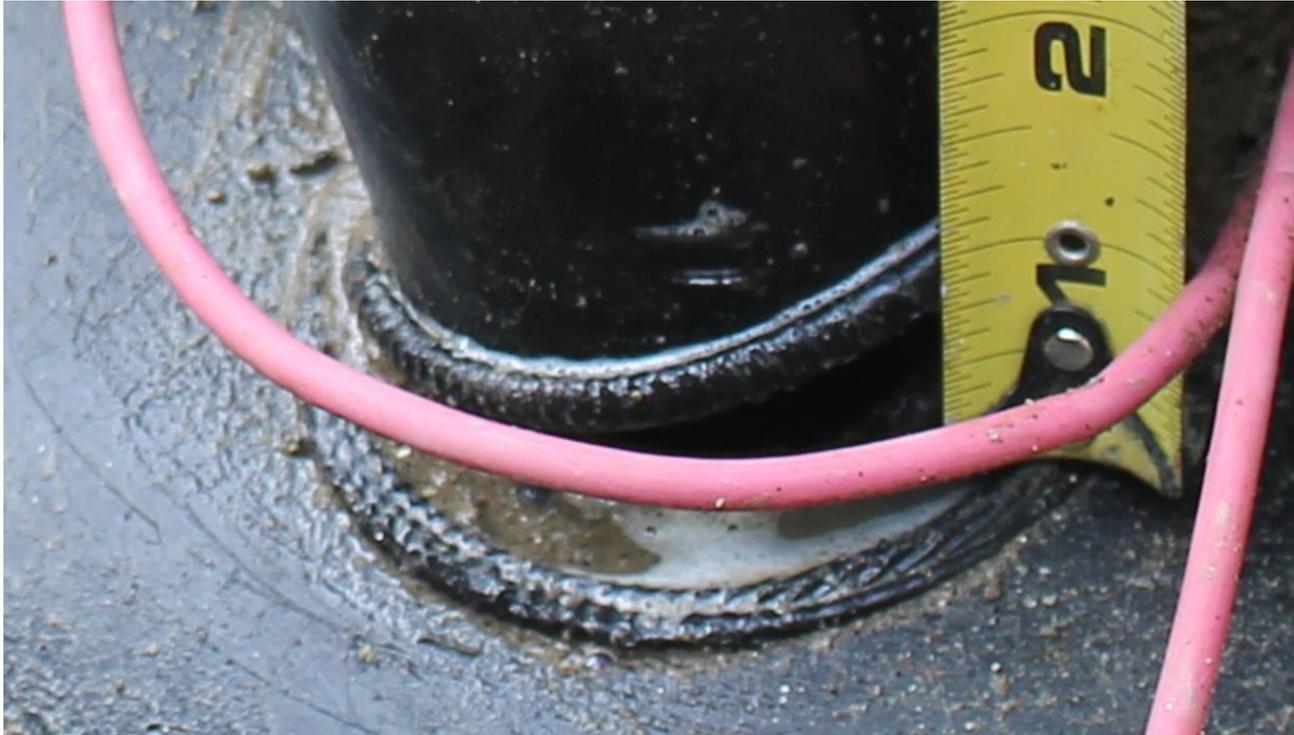


# Failure of Fuse Near Curb at 1642



# Fusion Failure

## Partial separation from pipe



# Contaminated Fusion Surfaces

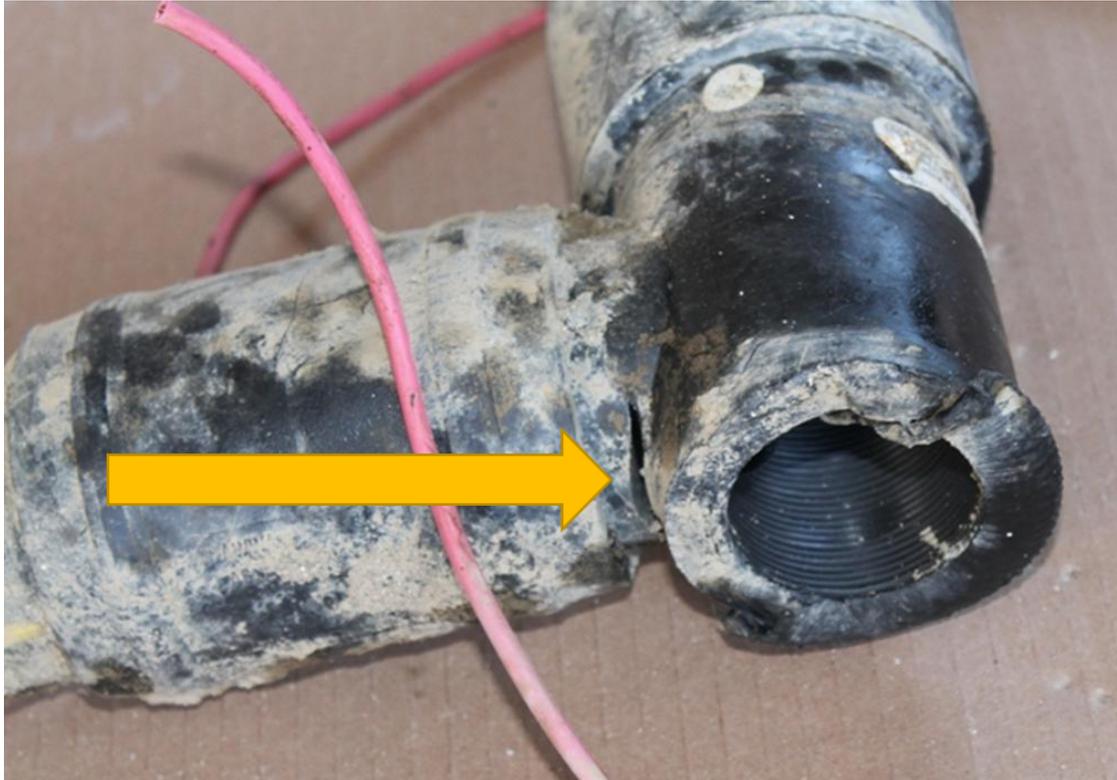
## 1642 Fusion



## Oil-Contaminated Fusion



# Crack in Service Tee



# Recommendations

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