East 115th Street MGP Site Remediation Update

Manhattan Center for Science & Math

Parents Association Meeting
November 15, 2016
East 115<sup>th</sup> Street Works
Manufactured Gas Plant (MGP) History

- Combustible gas from coal and petroleum used for heating, lighting and cooking
- “Tar” condensed from the gas as cooled
- Replaced by interstate gas lines
- Con Edison inherited MGP sites
- E. 115th St. MGP operated from 1895 to 1937
- In 1941, a public school was built
Investigation & Remediation Activities to Date

• Site investigations and indoor air testing since 2002
• NYSDEC approved site remedy in 2009
• Remedial design completed with SCA and School
• Remedial construction activities started in Summer 2015 and continue today
Investigation Findings
NYSDEC Approved Remedy

- Sub-slab depressurization system (SSDS) to prevent potential vapor intrusion in school building
- Shallow soil excavation in one area in back of school property
- Underground barrier along FDR Drive to prevent residual coal tar from entering Harlem River
- Site Management Plan (SMP) to guide future excavation
- Deed restriction prohibiting use of groundwater without prior treatment and requiring compliance with SMP
Citizen Participation Plan

- Community outreach plan approved by NYSDEC
- Fact sheets and public notices at every phase
- Annual Updates with Parents Association since 2007
- [www.coned.com/publicissues](http://www.coned.com/publicissues)
- Toll-free hotline 877-602-6633
Remediation Update

• Indoor air testing conducted since 2002 indicate no MGP impacts
• Indoor air testing will continue until SSDS is constructed
• SSDS construction began in Summer 2015 and will be completed in 2017
• Shallow soil excavation was completed in Summer 2016.
• Underground barrier work began in Summer 2016 and will continue through second quarter 2017
• Schedule was determined with input from DOE and School
Construction Hazard Controls

• Physical barriers to prevent access to work areas
• Emergency egress for students and staff
• Real-time air monitoring to detect contaminants that may be released into the air.
• Odor control
• Noise mitigation
• The entire backyard of the school property will remain closed throughout the duration of the construction
Sub-Slab Depressurization System (SSDS)

- External Header Pipe (Hidden in Brick Enclosure)
- Internal Piping in Basement
SSDS (continued)

Fans & Exhaust on Roof
Shallow Soil Excavation
Subsurface Barrier Wall Construction
Replacement Trees
QUESTIONS?