E. 14th Street Works Site East River Ball Fields Update

Con Edison January 24, 2008

Manufactured Gas Plants

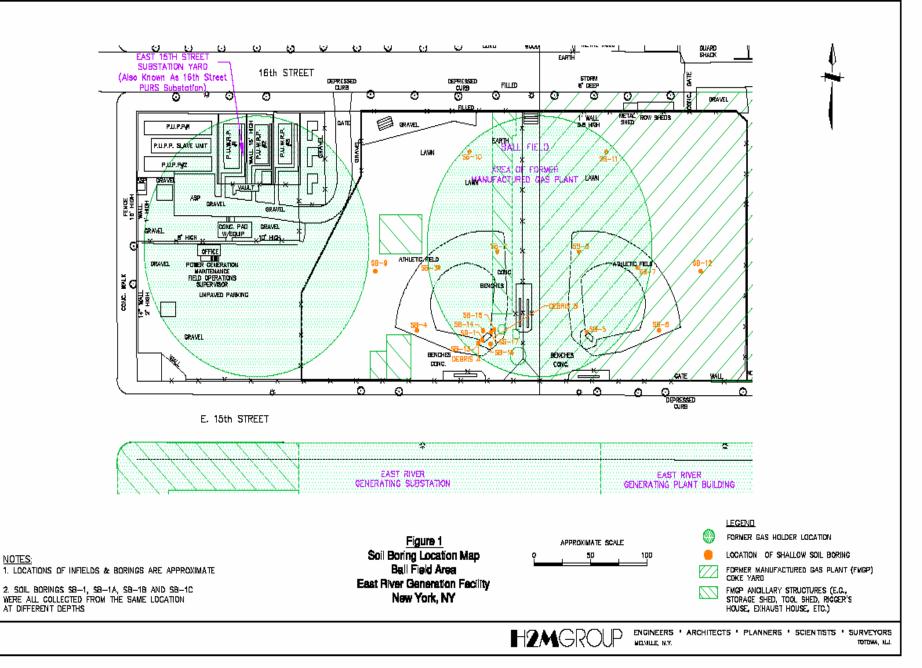
- Heated coal and oil to make gas
- Before natural gas and electricity were available
- Generated gas for lighting, heating, cooking
- Over 2,000 MGP in the U.S operating between 1820s and 1950s
- Plants were gradually closed as natural gas became available.
- Natural gas pipelines came to NYC in 1940s

MGP Sites and Environmental Concerns

- Byproducts of gas production were coal tars and oils
- Residuals were often left behind after plants were closed
- Recognition in the 1990s of potential public health and environmental concerns
- National issue with many utilities actively investigating and remediating sites

MGP Exposure Pathways

- Direct contact with MGP impacted soils
- Ingestion of MGP impacted soil or groundwater
- Inhalation of MGP impacted vapors



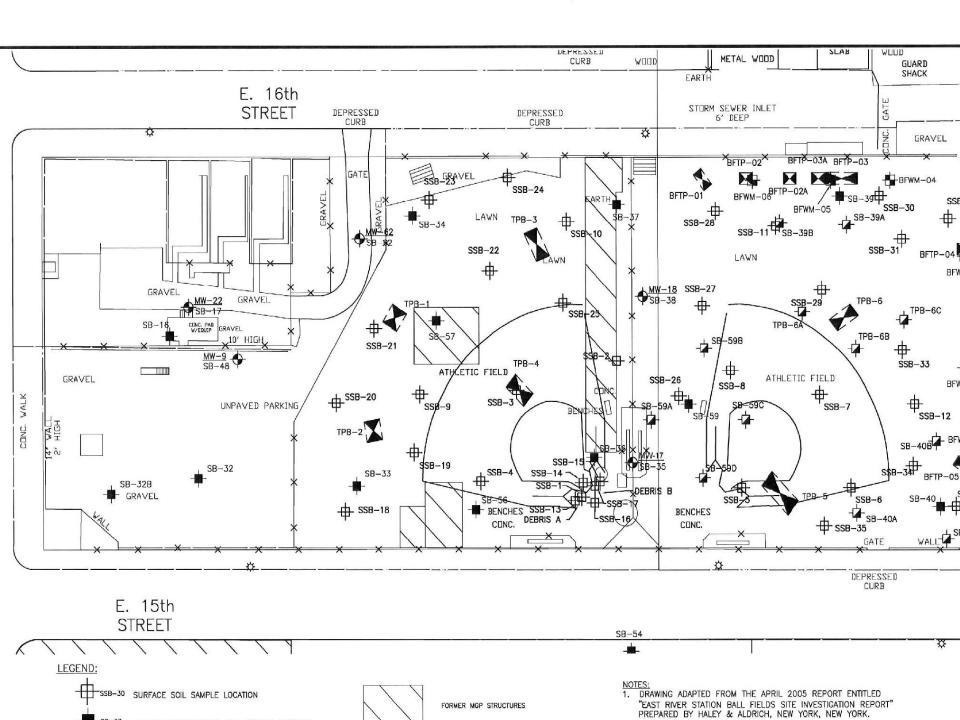
NOTES:



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Investigation Programs

- Site Investigation conducted January 2004
- Additional Delineation Sampling conducted
 January February 2005
- 23 soil borings
- 6 Test Pits
- Over 130 soil samples taken including 42 surface soil samples



Investigation Results

- MGP impacts in subsurface soil is very limited in the first 5 feet (two locations at 2 feet) with most impacts deeper than 10 feet
- Low levels of potential MGP-related compounds in surface soils in the range of NYC background but above NYSDEC cleanup levels
- Groundwater has MGP impacts but is not used for drinking water

NYSDEC Review

- No additional investigations were necessary
- Enough data had been generated for NYSDEC to make their determination if remediation was necessary
- Upper 2 feet of exposed soil must meet NYSDEC soil cleanup criteria
- Site Management Plan must be developed and implemented
- Institutional controls must be established