

Public Meeting

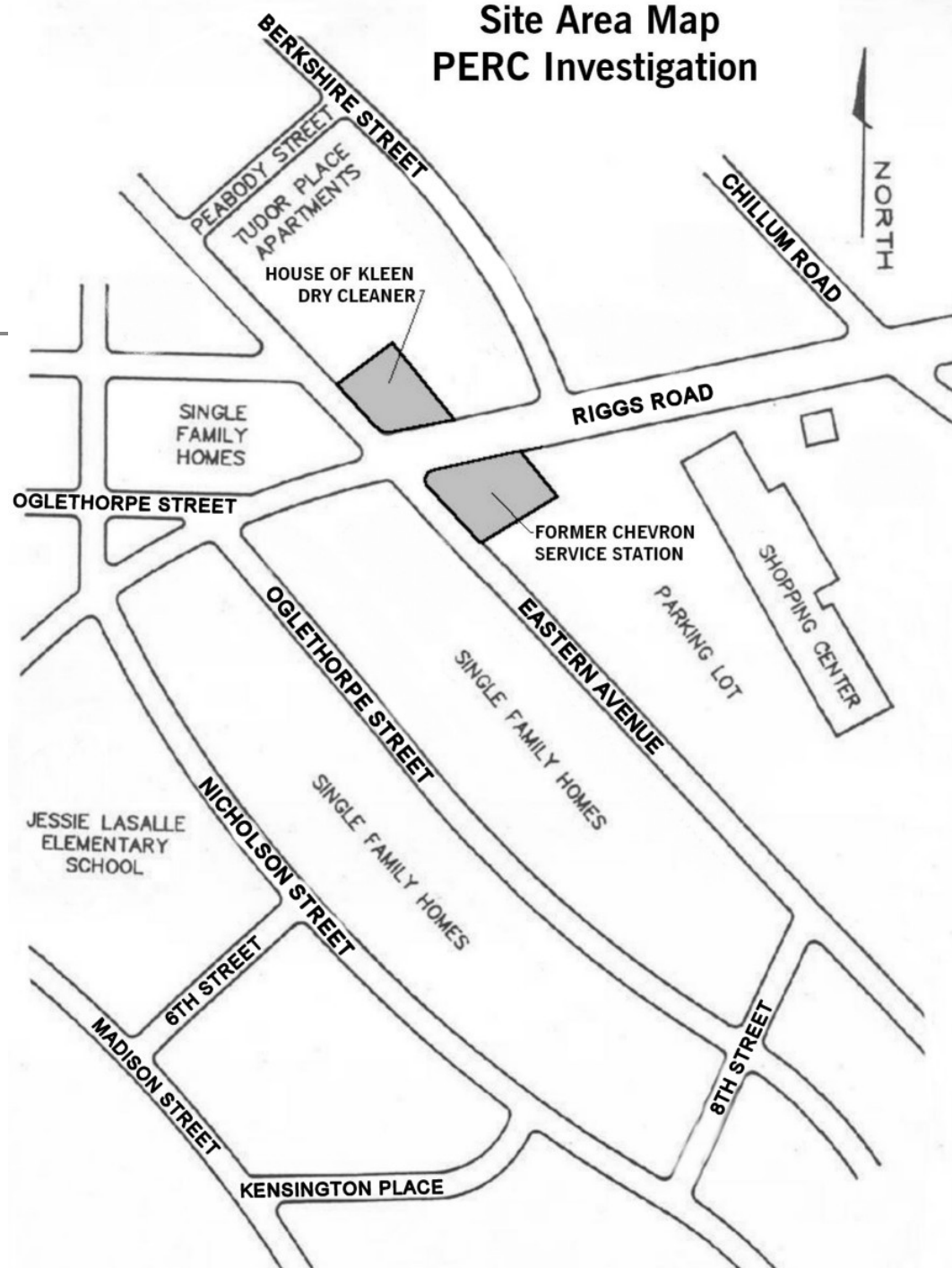
Wednesday, Feb. 11, 2004

Update on EPA's investigation into
the presence of PERC in subsurface
soils

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Site Area Map PERC Investigation



Background

- In March 2002, EPA began to investigate the extent of known PERC contamination in sub-surface soil
- PERC was detected in the soil vapor above EPA screening levels

Scope of Work (SOW)

■ What...

- Collected Soil Vapor, Groundwater, Indoor Air and Drinking Water Samples

■ When...

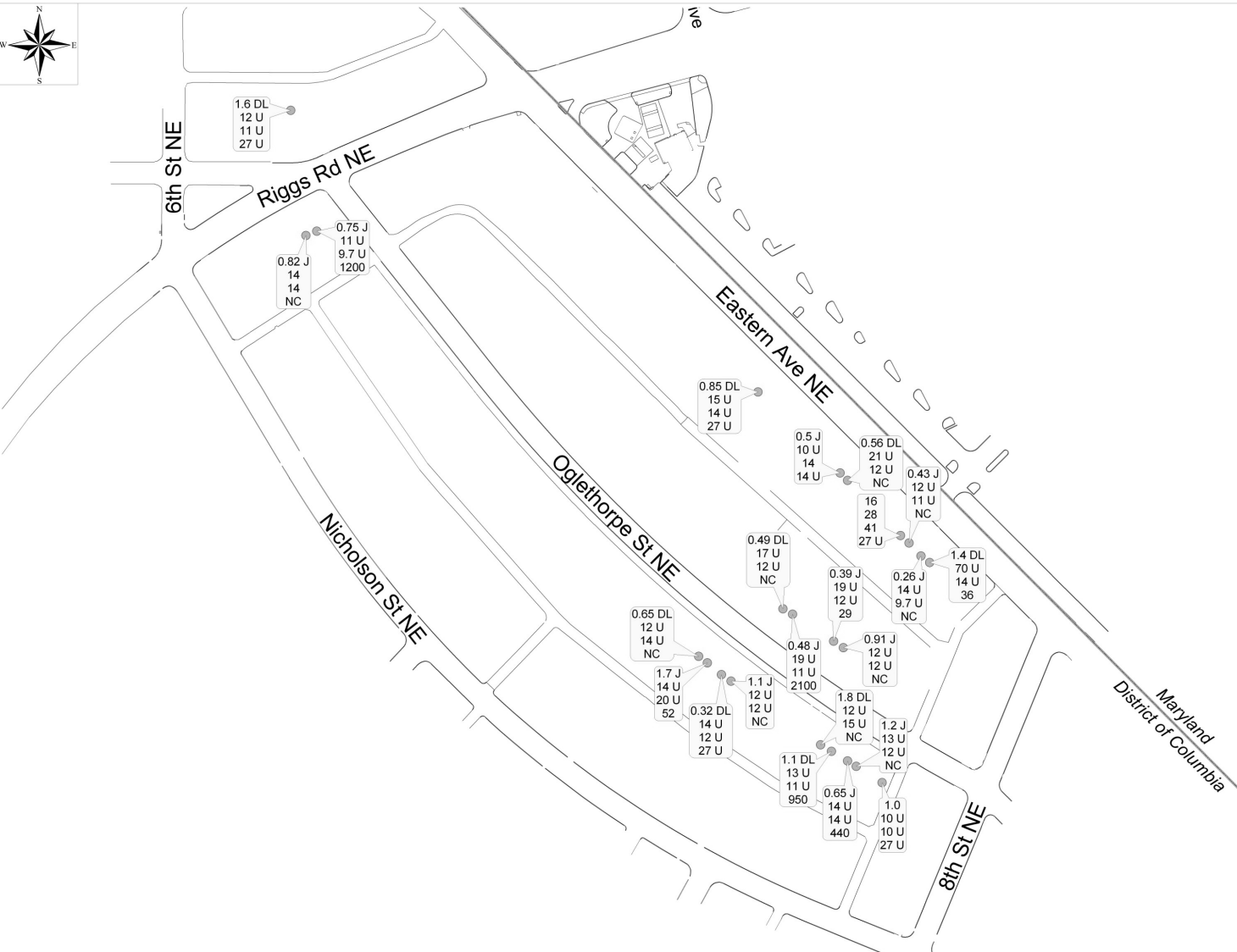
- From July 2003 through September 2003

■ Why...

- To investigate the possibility of soil vapor intrusion into homes

■ Where...

- Residential areas bordered by Eastern Ave, 8th Street, Nicholson Rd, and Riggs Rd



Approximate Site Location = ■

Maryland / District of Columbia

Legend

- Sampling location
- State border
- Street boundary

TAGA result = Indoor Air (Summa) first floor result
Indoor Air (Summa) basement result
Soil Vapor result

TAGA results are in parts per billion per unit volume (ppbv)

U = Indicates PERC was analyzed for but not detected at or above the sample.
DL = PERC not detected above detection limit.
J = Indicates PERC was detected above the detection limit and below the sample quantitation limit.
NC = Indicates a sample was not collected.

Chillum PERC Site
Hyattsville, Prince Georges County, Maryland

PERC Analytical Data
Summer 2003

TDD No. SE3-03-012
EPA Contract No. 68-S3-00-02

Results

- Groundwater Results
- Soil Vapor Results
- Drinking Water Results
- Indoor Air Results
 - TAGA
 - Summa Canister Samples

Groundwater Results

- Six Samples Collected
 - No PERC detected

Soil Vapor Results

- 13 Samples Collected
 - Six Samples with PERC detected
 - Four of which found above EPA screening levels (310 ug/m³)
 - These levels range from 440 to 2100 ug/m³

Drinking Water Results

- Three Samples Collected
 - No PERC detected
 - Also no Benzene, Toluene, Ethylbenzene, Xylene, or MTBE detected

Indoor Air Results

- 46 TAGA Screenings
 - One of which found above EPA action level of 31 ug/m³
 - That sample detected at 110 ug/m³
 - EPA is conducting an investigation into the indoor air at this location

Indoor Air Results cont...

- 46 Canister Samples Collected
 - One of which found above EPA action level of 31 ug/m³
 - That sample detected at 41 ug/m³
 - EPA is conducting an investigation into the indoor air at this same location

Updates / Changes

- Indoor air PERC action level reduced from 63 ug/m³ to 31 ug/m³
 - This translates as 630 ug/m³ down to 310 ug/m³ for soil screening level
 - Reviewed previous soil vapor data under new action level; no residential properties show results above new action level

Updates / Changes

- Indoor Air samples analyzed by lab using TO 15, not TO 14A as listed in the report
 - No consequence, quality of the data is valid

Next Steps

- Sample Collection
 - Seasonal variation factor
 - Part of indoor air investigation
 - Sampling schedule to be determined within the next several weeks

Contact information

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