

# Public Meeting

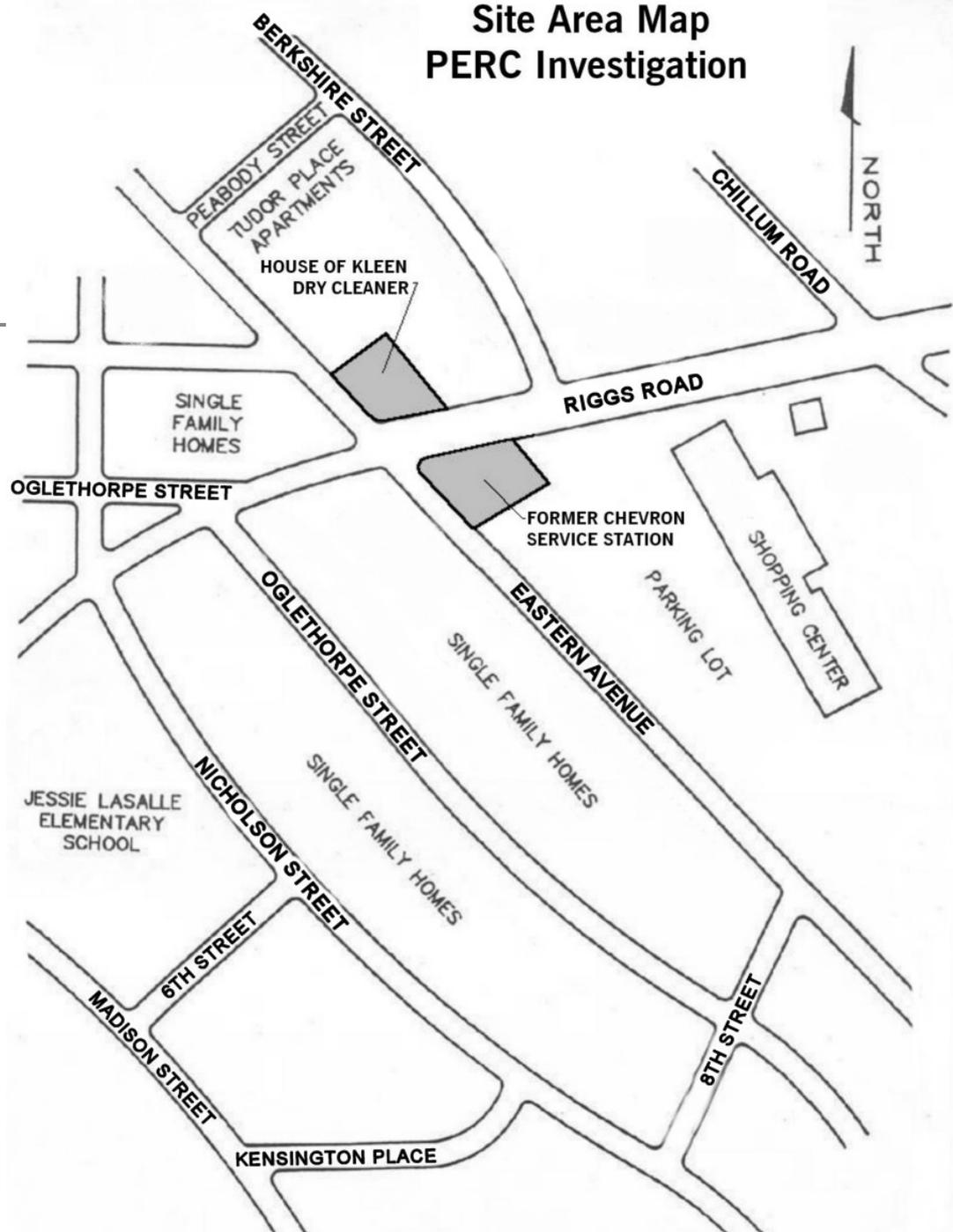
## Wednesday, Feb. 11, 2004

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...

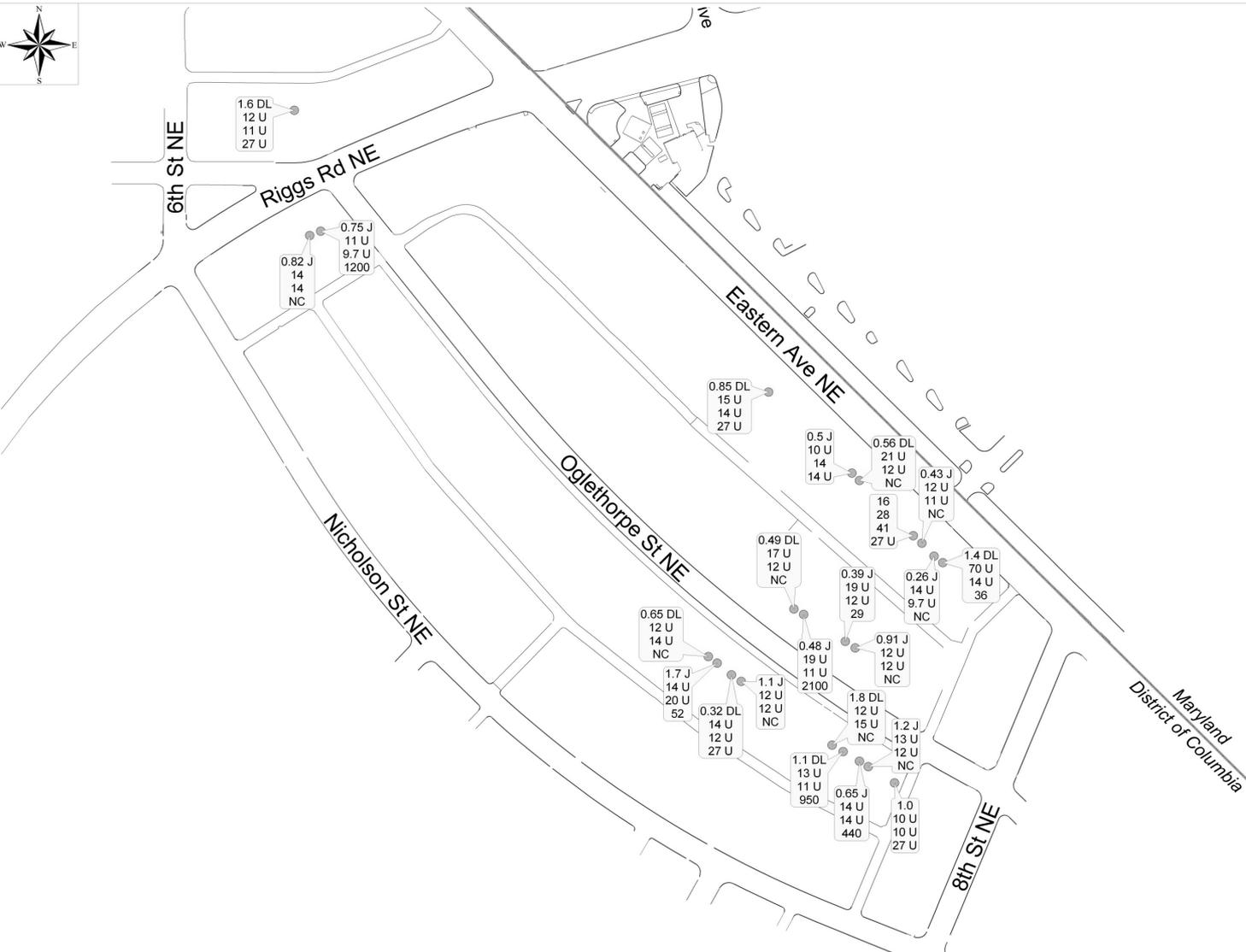
- From July 2003 through September 2003

## ■ Why...

- To investigate the possibility of soil vapor intrusion into homes

## ■ Where...

- Residential areas bordered by Eastern Ave, 8<sup>th</sup> Street, Nicholson Rd, and Riggs Rd



Approximate Site Location = ■



Maryland /  
District of Columbia

**Legend**

- Sampling location
- State border
- Street boundary

1.4 DL 70 U 14 U 36	<p>TAGA result</p> <p>Indoor Air (Summa) first floor result</p> <p>Indoor Air (Summa) basement result</p> <p>Soil Vapor result</p>
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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/m<sup>3</sup>)
    - These levels range from 440 to 2100 ug/m<sup>3</sup>

# 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/m<sup>3</sup>
    - That sample detected at 110 ug/m<sup>3</sup>
    - 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/m<sup>3</sup>
    - That sample detected at 41 ug/m<sup>3</sup>
    - EPA is conducting an investigation into the indoor air at this same location

# Updates / Changes

- Indoor air PERC action level reduced from 63 ug/m<sup>3</sup> to 31 ug/m<sup>3</sup>
  - This translates as 630 ug/m<sup>3</sup> down to 310 ug/m<sup>3</sup> 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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Or visit the worldwide web at:

[www.epaossc.net/chillumperc](http://www.epaossc.net/chillumperc)