Public Health Meeting
RACER Moraine Facility
April 25, 2012
6:30 - 8:00 p.m.

Moraine Municipal Building
4200 Dryden Road
Moraine, OH

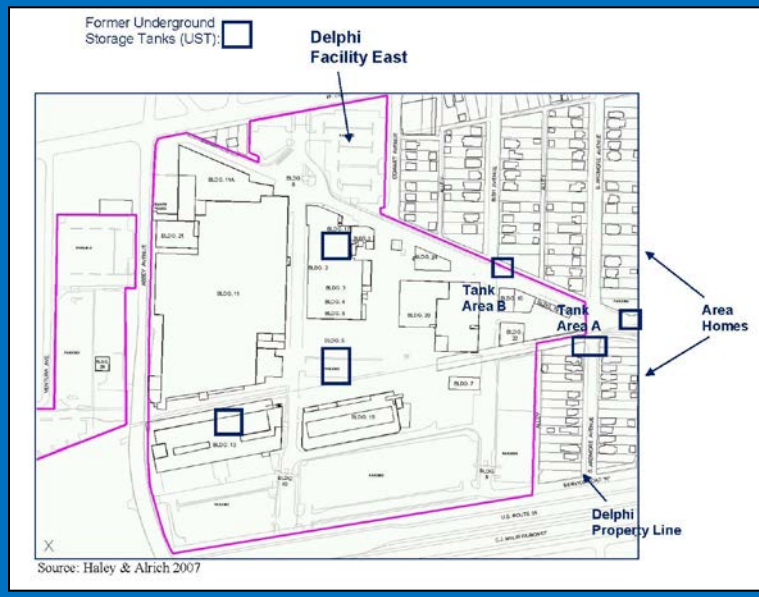
- **Welcome/Introductions:** (5 min)
- **Public Health Dayton & Montgomery County (PHDMC) involvement/vapor intrusion activities:** PHDMC, Mark Case, Director of Environmental Health (15-20 min)
- **TCE/PCE discussion:** Ohio Department of Health (ODH), Health Assessment Section (HAS): Bob Frey, Chief (15-20 min)
- **Communities and Cancer:** ODH, Comprehensive Cancer Control Program: Robert Indian, Chief (15-20 min)
- **Question & Answer** (20-30 min)
- **Adjourn**

U.S. EPA RACER Moraine Facility

Vapor Intrusion Investigation Moraine, OH

Dayton & Montgomery County Public Health
Prevent. Promote. Protect.

Delphi Home Ave. Site
West Dayton



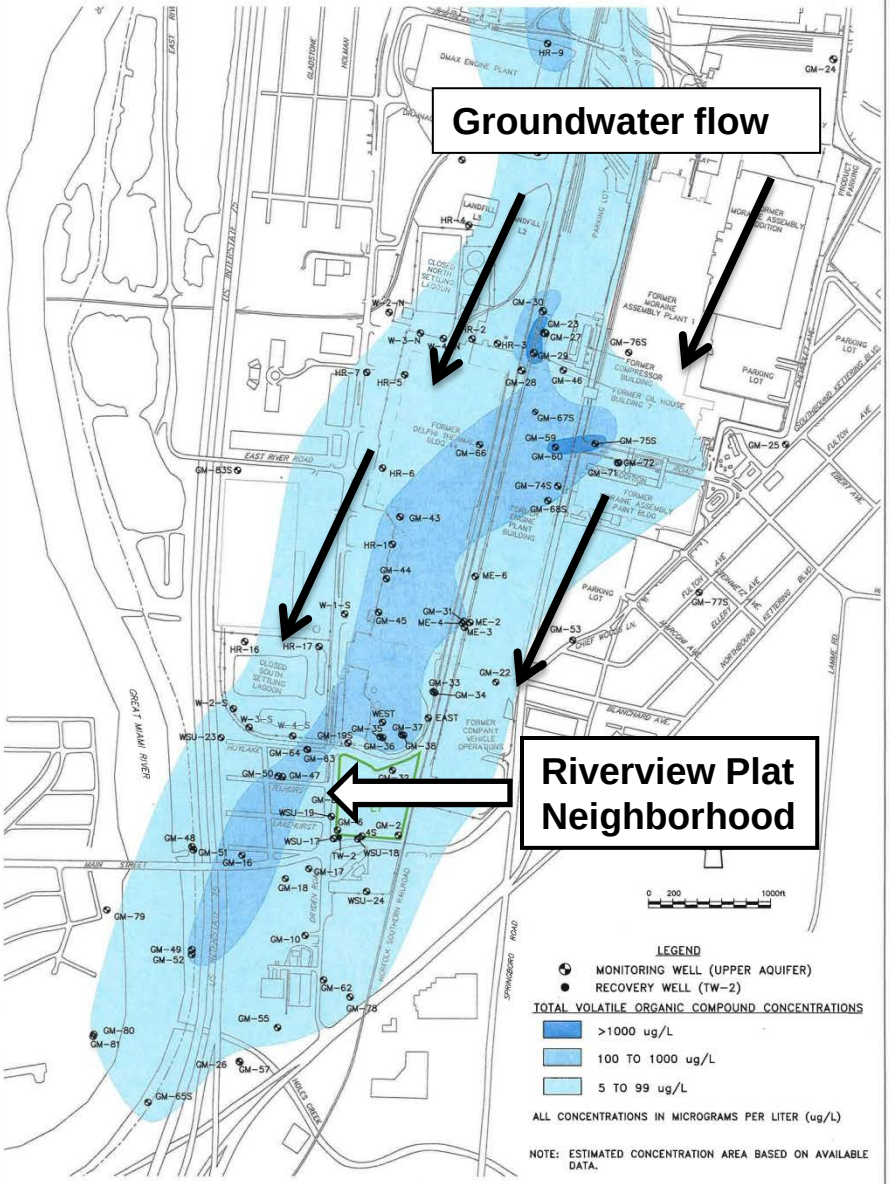
Behr-Dayton Site
North Dayton

Springfield St. Site
Riverside

Riverview Plat

Vapor Intrusion Investigation

TOTAL VOLATILE ORGANIC COMPOUND CONCENTRATIONS FOR SHALLOW GROUNDWATER (2008-2010)
RACER
MORAINE, OHIO



What is Vapor Intrusion?

Connecting The Dots

Former GM Plant
Chemical Spill
TCE - PCE

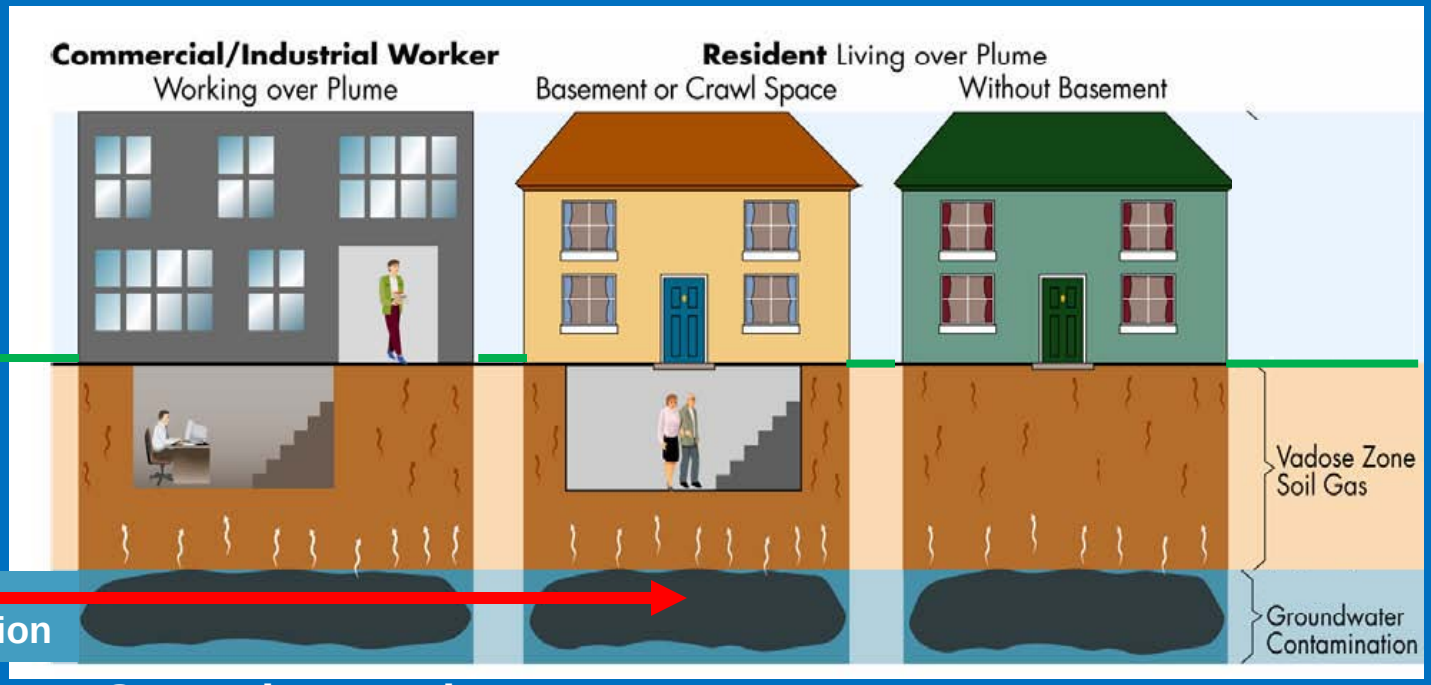
Groundwater contamination…… inhalation?

*** Make note the Riverview Plat community is on a clean, safe public water supply**

Vapor Intrusion

U.S. EPA RACER Moraine Facility

Former GM Plant
Chemical Spill
TCE - PCE



Groundwater Contamination

Groundwater Flow

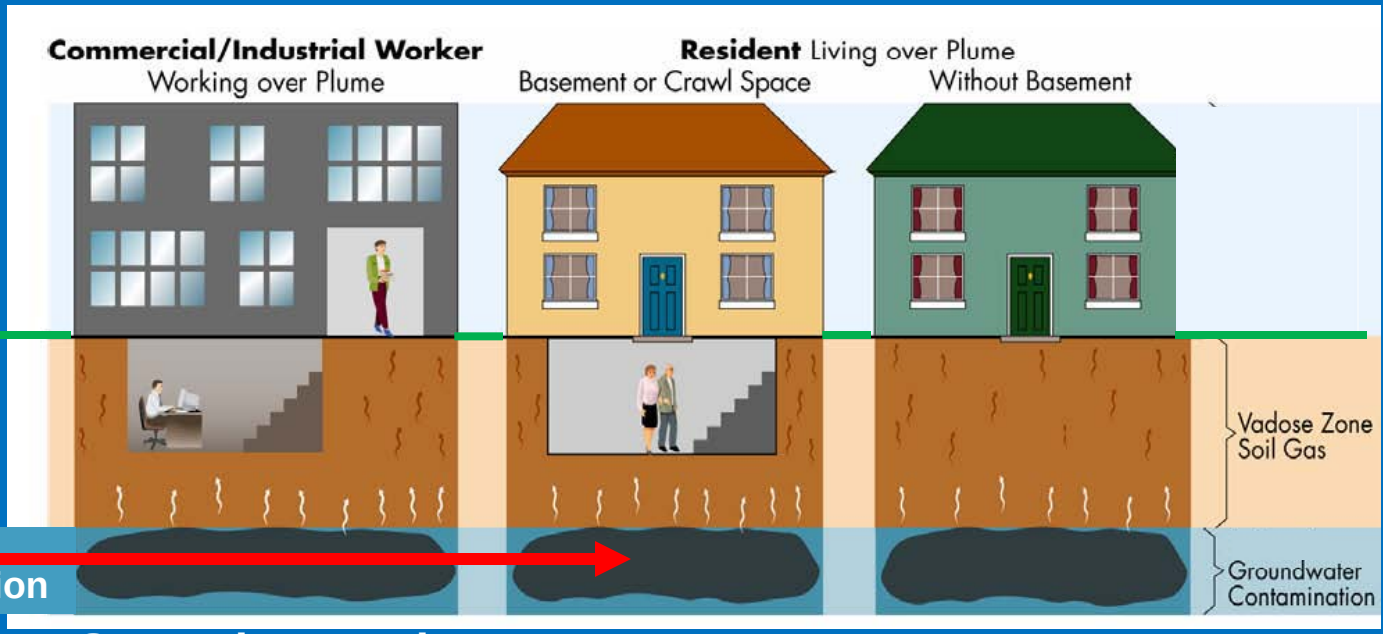
On-site
Groundwater levels:
(Nov 2001)
TCE = 2,200 ppb
PCE = 15,000 ppb

Vapor Intrusion

Riverview Plat Community

1. Groundwater Contamination

Former GM Plant
Chemical Spill
TCE - PCE



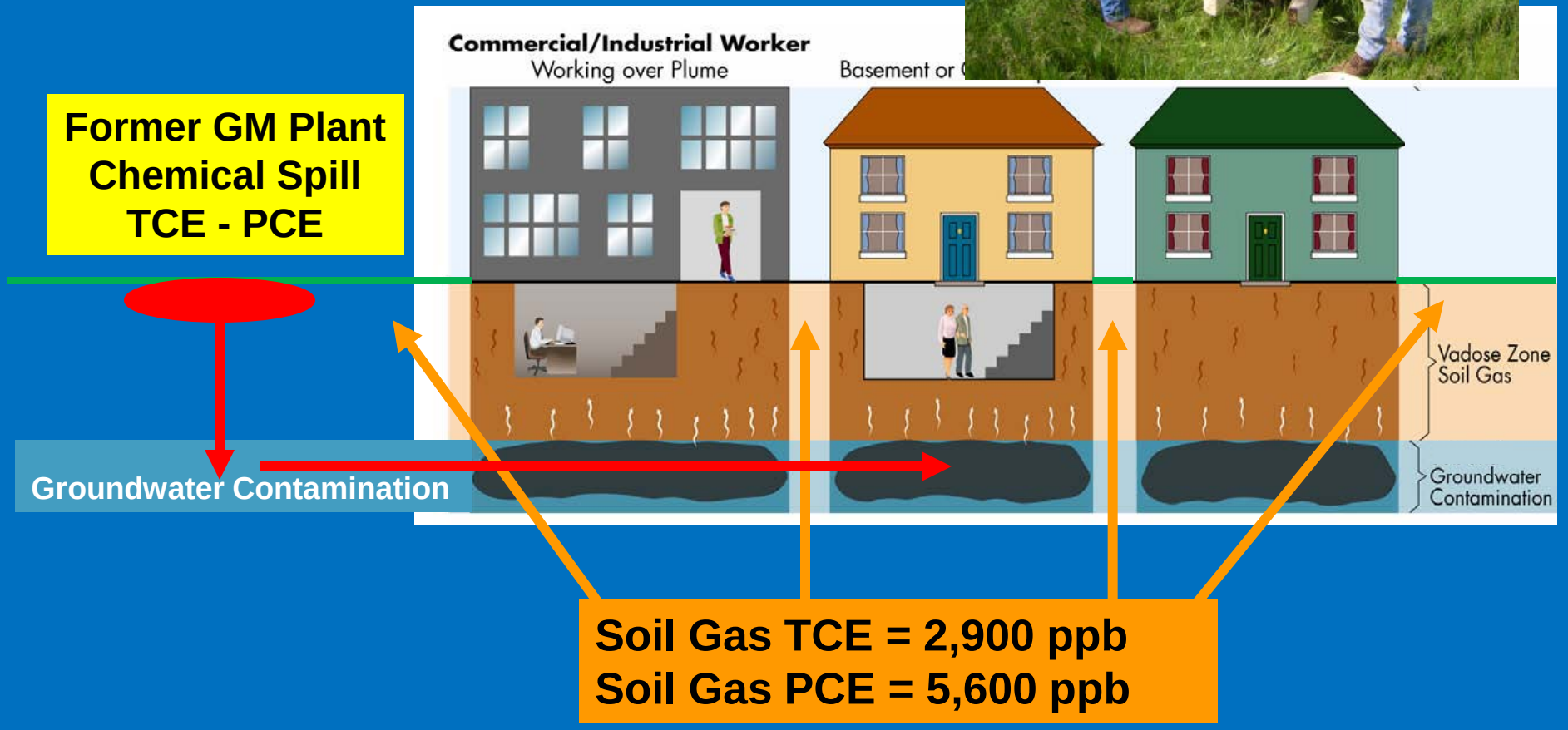
On-site
Groundwater levels:
(Nov 2001)
TCE = 2,200 ppb
PCE = 15,000 ppb

Riverview Plat Groundwater levels:
TCE = 140 ppb
PCE = 180 ppb

Soil Gas Sampling

2. Soil Gas action levels (residential):
TCE = 40.0 ppb
PCE = 600.0 ppb

Former GM Plant
Chemical Spill
TCE - PCE

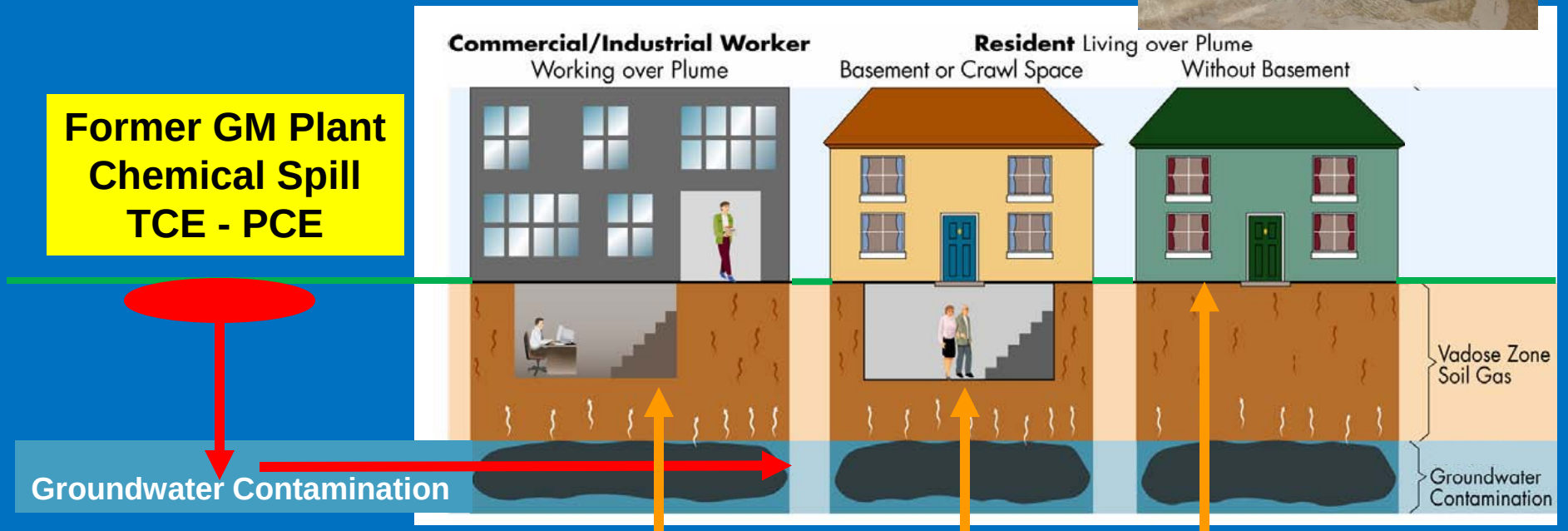


Soil Gas TCE = 2,900 ppb
Soil Gas PCE = 5,600 ppb

Sub-Slab Sampling

3. Sub-Slab action levels (residential):
TCE = 4.0 ppb
PCE = 60.0 ppb

Former GM Plant
Chemical Spill
TCE - PCE

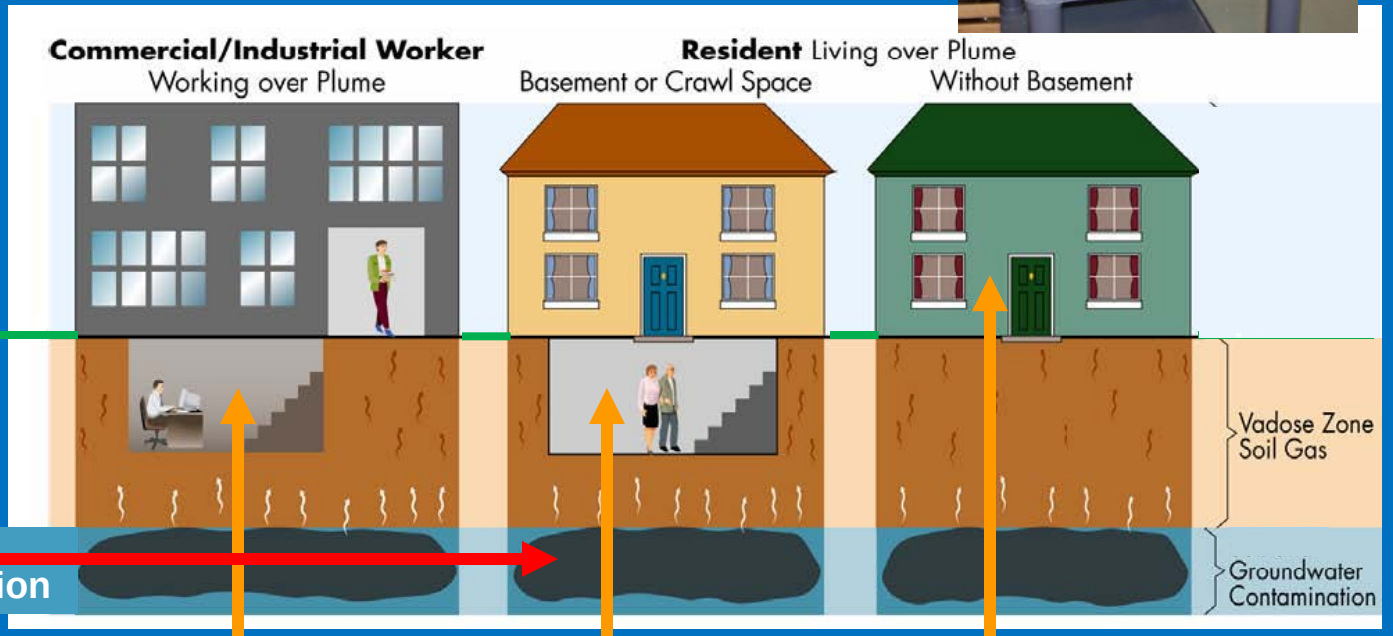


Sub Slab Soil Gas TCE = 2,000 ppb
Sub Slab Soil Gas PCE = 3,700 ppb

Indoor Air Sampling

4. Indoor Air action levels (residential):
TCE = 0.4 ppb
PCE = 6.0 ppb

Former GM Plant
Chemical Spill
TCE - PCE



Indoor Air TCE = 9.3 ppb
Indoor Air PCE = 22.0 ppb

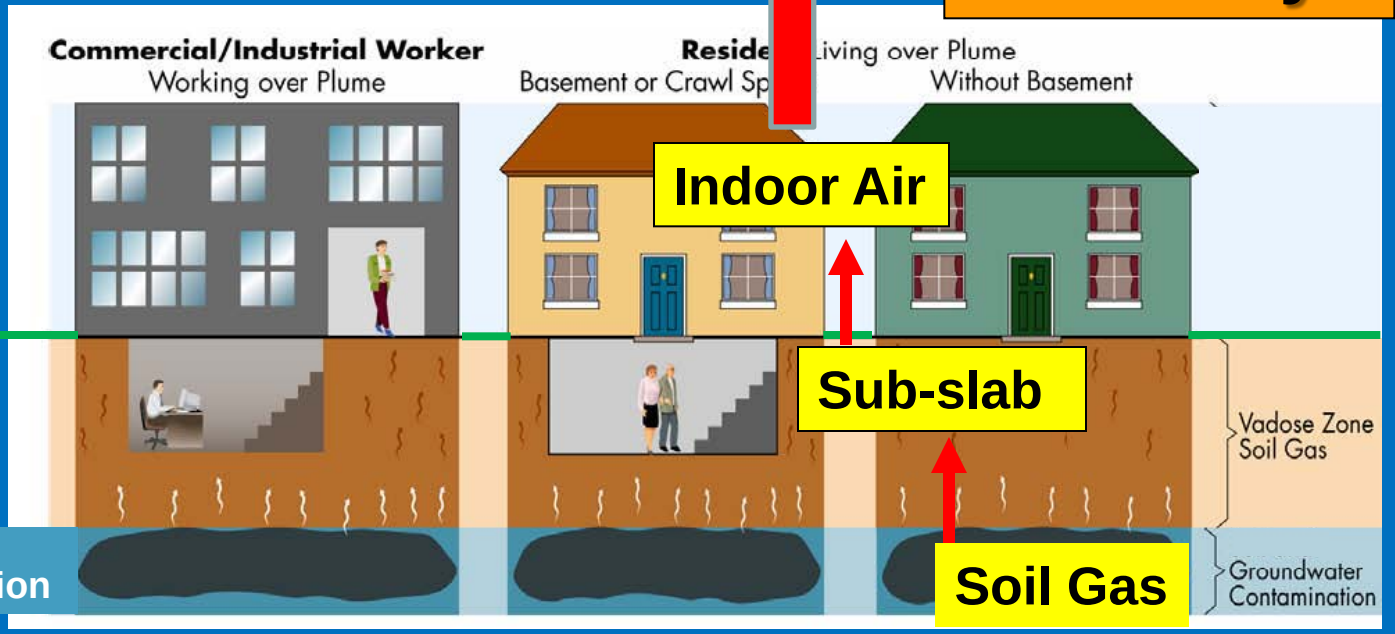
highest levels found

Vapor Intrusion

Connecting The Dots

Riverview Plat Community

Completed Exposure Pathway



Former GM Plant Chemical Spill TCE - PCE

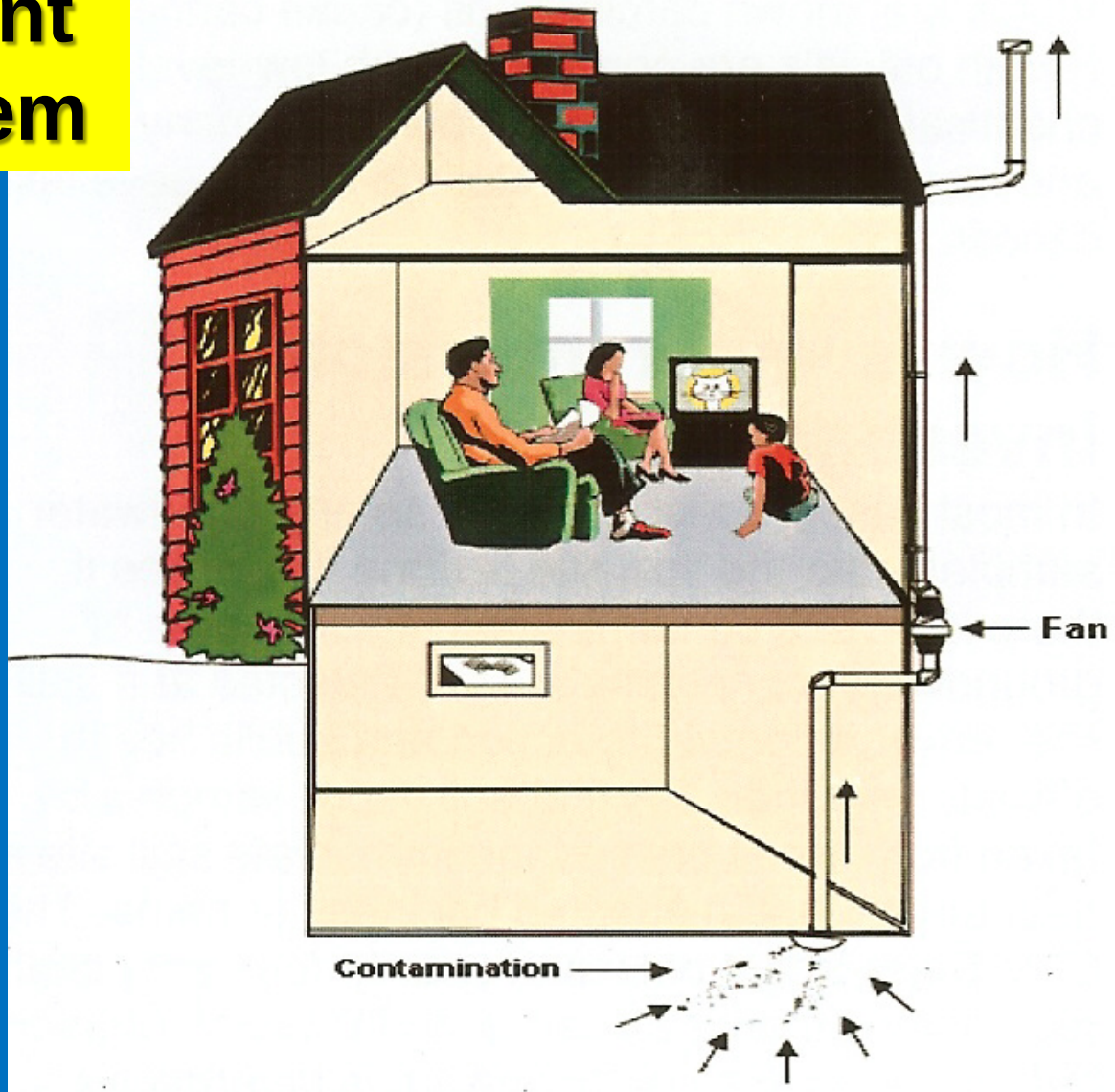
Groundwater Contamination

On-site Groundwater Contamination

Riverview Plat Groundwater Contamination

The Solution

Vapor Abatement Mitigation System



Riverview Plat

Vapor Intrusion Investigation

- 63 Properties in Riverview Plat Neighborhood (60 Residential; 3 Commercial)
- 1 Property (municipal building) south of Dryden Road included
- 42 Properties Sampled and Validated Results Received
- 38 of 42 Properties with Sample Results Require Mitigation
- 34 Access Agreements for Mitigation Systems
- 25 Mitigation Systems Installed
- 19 O&M (operation & maintenance) visits completed
- 17 30-Day Post-Installation Proficiency Sampling (PIPS) completed
- Results for 15 PIPS – ALL currently below action levels (4 results pending)
- 7 180-Day PIPS events completed, data pending

For more information:

For health-related questions and/or information about public health involvement:

Public Health Dayton & Montgomery County
117 South Main Street
Reibold Building
Dayton, OH 45422-1280
Contact: Mark Case OR Tom Hut
Phone: (937) 225-4395
E-mail: mcase@phdmc.org OR thut@phdmc.org

Ohio Department of Health
Bureau of Environmental Health
Health Assessment Section
246 N. High Street
Columbus, Ohio 43215
Site Assessor: Bob Frey
Phone: (614) 466-1390
E-mail: bob.frey@odh.ohio.gov

For information about the site contamination and cleanup activities:

U.S. EPA Region 5
Land and Chemicals Division [L-8J]
77 West Jackson Boulevard
Chicago, IL 60604-3507
Public Affairs Specialist: Rafael P. Gonzalez
Phone: 312-886-0269
E-mail: Gonzalez.Rafaelp@epa.gov