

# Remediation and Redevelopment Division

Sue Leeming

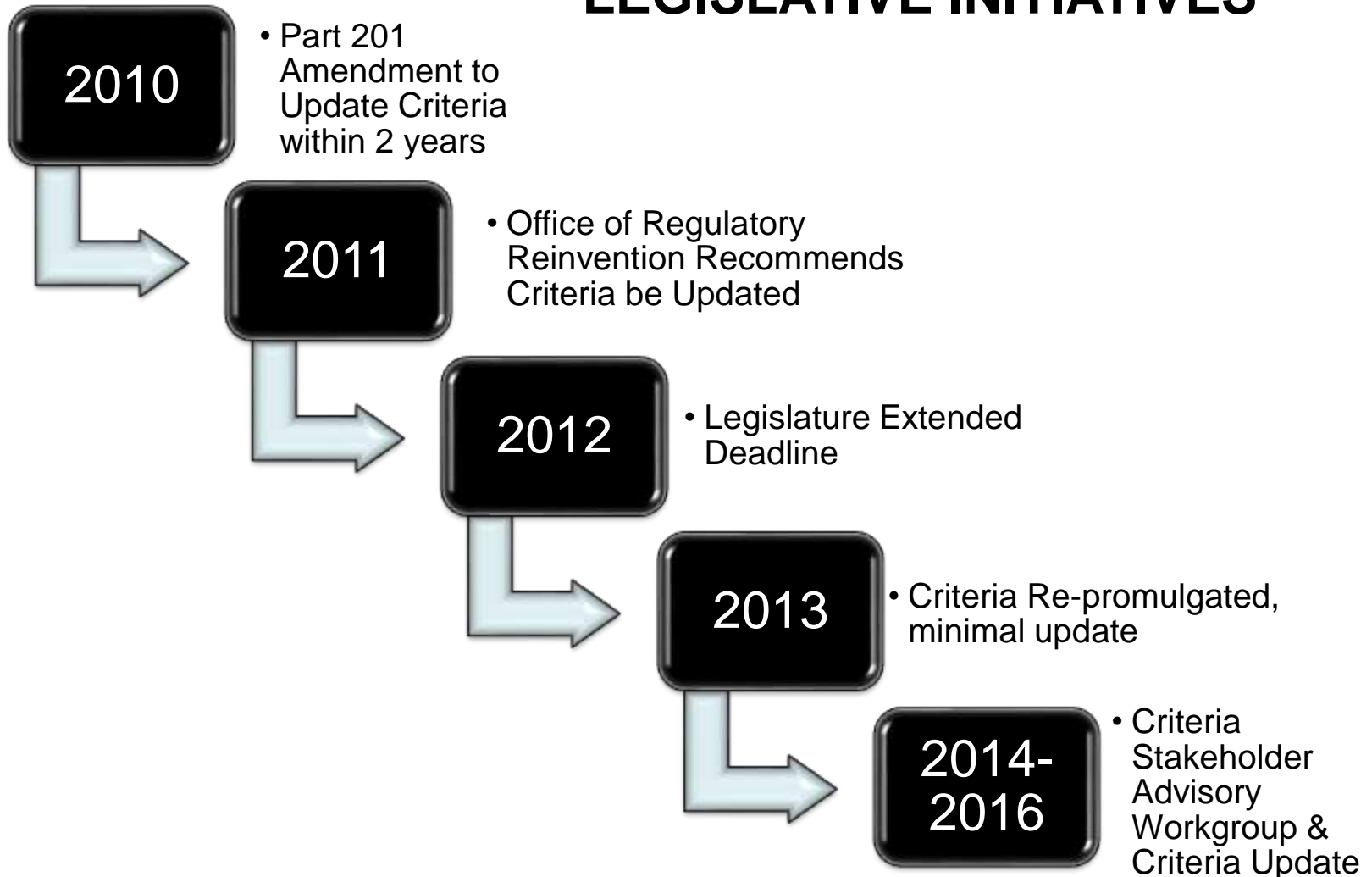
Acting Chief, Remediation and  
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# Part 201 Cleanup Criteria Rules Status

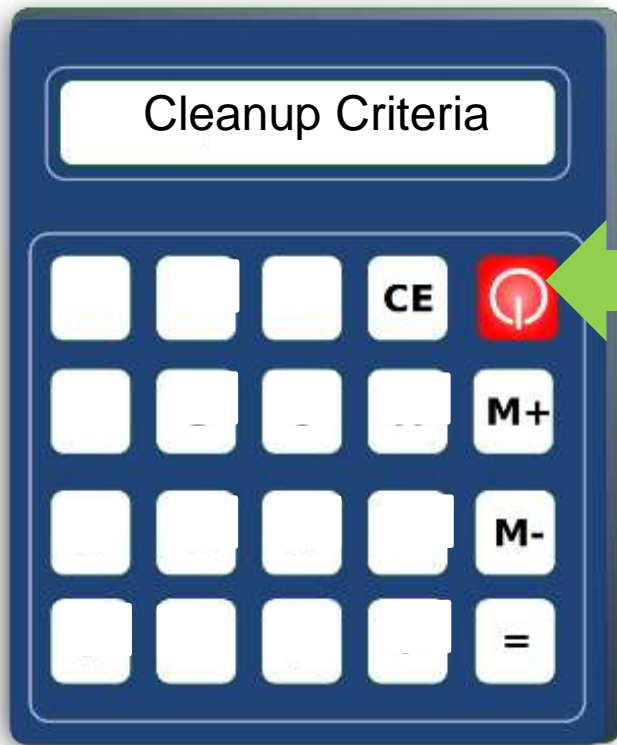
## LEGISLATIVE INITIATIVES



# Part 201 Cleanup Criteria Rules Status

## It gets Complicated.....

### Criteria Calculator



**67,000 Inputs**

**305 Hazardous  
Substances**

**116 Equations**

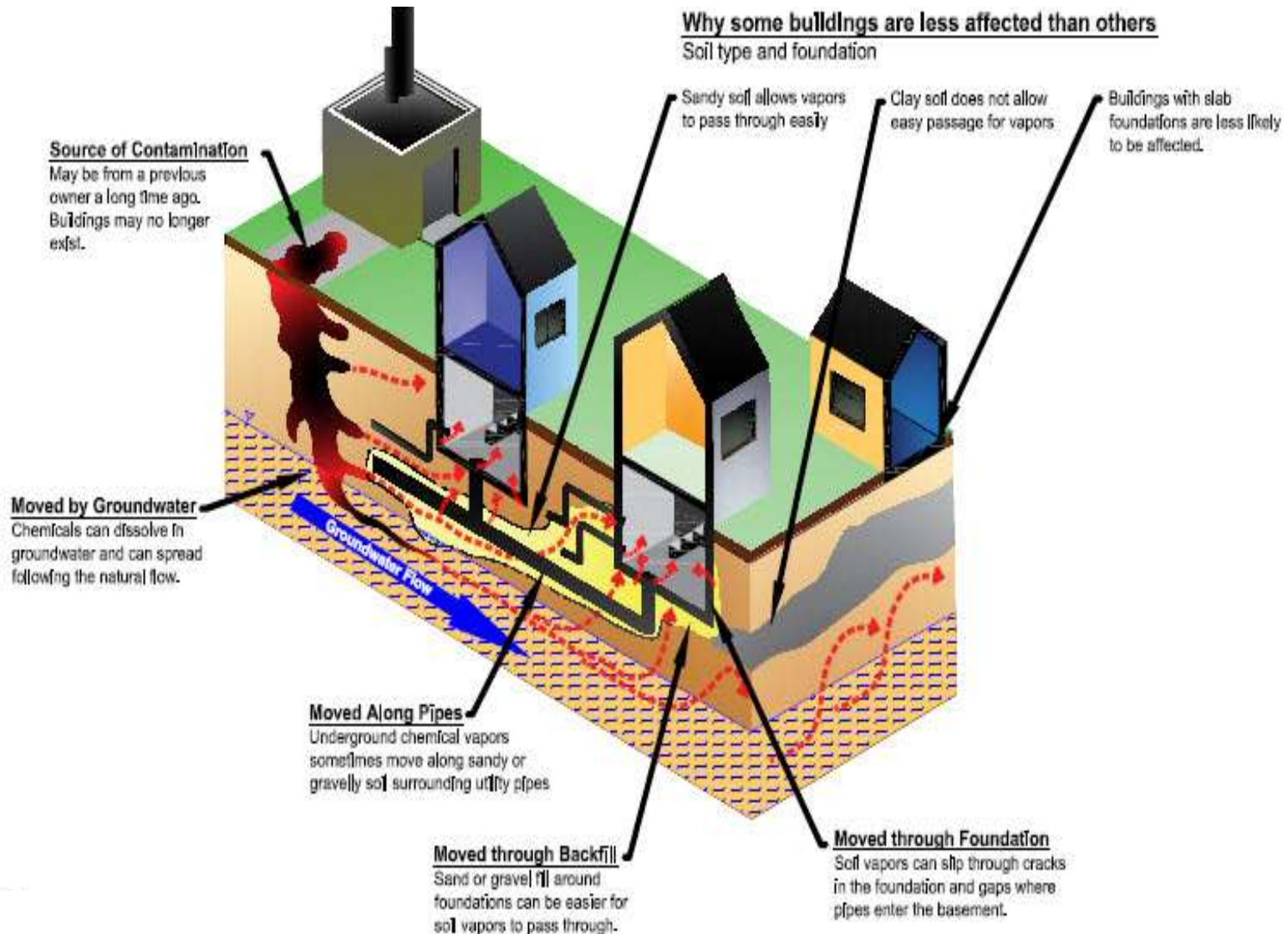
**8 Pathways**

**1 QA/QC Process**

# Part 201 Cleanup Criteria Rules

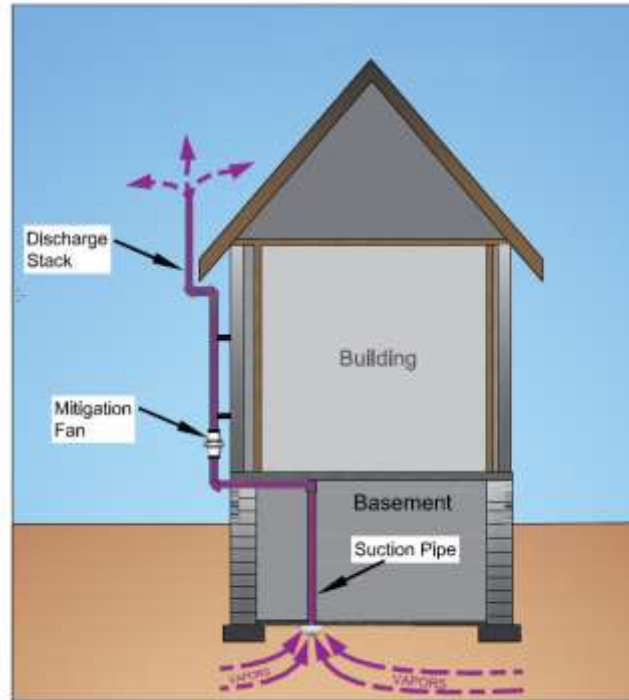
- Proposed rules are more protective of public health and environment than current rules
- Continue to meet with Stakeholders to address concerns
- Need to update criteria more frequently!

# What is Vapor Intrusion?



# Vapor Intrusion

Basement Mitigation System



- Serious public health risk
- 4,000 high potential sites
- DEQ and DHHS issue that needs funding

# Chemical exposure forces tenant, non-profits out of building

By Nate Stevens | nstevens@mlive.com  
Follow on Twitter  
on May 20, 2016 at 5:56 PM, updated May 20, 2016 at 6:06 PM

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GRAND RAPIDS, MI --  
Chemical contamination from the building has forced a tenant and several non-profits out of the building.

## EPA, DEQ to hold meeting on SE Grand Rapids vapor levels

POSTED 11:52 AM MAY 24, 2016, BY BOB WENZLING



GOOGLE



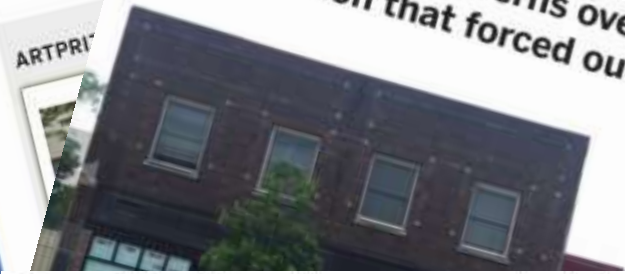
GRAND RAPIDS, Mich. - The U.S. Environmental Protection Agency and the Michigan Department of Environmental Quality will be holding an informational meeting Wednesday to address concerns about vapors smelled on the southeast side of Grand Rapids.



The meeting will be held at 6:00pm Wednesday at the Linc Gallery, 1167 Madison SE. Representatives will be sharing information from what they call the Grand Rapids vapor intrusion project.

Evacuation orders were issued last Thursday at The Red Project, 401 Hall St. SE, and Seeds of Promise, 1168 Madison SE, after the buildings had unsafe vapor levels of tetrachloroethylene (PERC). An apartment at 1170 Madison SE was also evacuated.

# Residents voice concerns over chemical contamination that forced out tenants, nonprofits



## Grand Rapids addresses vacated due to chemical vapors

Contamination caused by chemical used at now-closed dry cleaning business

24 Hour News 8 web staff  
Published: May 20, 2016, 3:25 pm | Updated: May 20, 2016, 11:10 pm



## Grand Rapids addresses vacated due to chemical vapors

NEW TONIGHT  
GRAND RAPIDS BUILDING VACATED DUE TO CHEMICAL VAPORS  
WOODTV.COM



# Brownfield Redevelopment





# Brownfield Funding

- In past 10 Years, DEQ has awarded \$66M in Brownfield funding for 89 projects resulting in:
  - \$1.7 B in Private Investment & the creation of 7,900 jobs
  - ROI = \$23 for every \$1 invested
- Funds are provided to address environmental conditions that would otherwise inhibit the redevelopment of the property
- Current Grant and Loan funding will be exhausted by 2017



Uptown, Bay City

# DEQ Laboratory

- Processed ~ 40,000 copper and lead drinking water samples from Flint in FY16
- Normal average is 4,200 per year



# Remediation and Redevelopment Division

[www.michigan.gov/deqrrd](http://www.michigan.gov/deqrrd)

*Creating a future where Michigan's  
contaminated properties are reliably managed,  
revitalized, and the public health and  
environment is protected.*