

CROSBY HARVEY  
REMEDICATION  
PROGRAM

Town Hall Meetings  
September 16-20, 2024

**Downstream  
Strategies**



**Ideas that sustain.**

MORGANTOWN | DAVIS | LEWISBURG | BERKELEY SPRINGS



# CONSULTING WITH A CONSCIENCE.



Downstream Strategies is an environmental and economic development consulting firm.

We work to strengthen economies, sustain healthy environments, and build resilient communities.

We don't just check boxes — we build futures.

## Downstream Strategies



## Ideas that sustain.

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[downstreamstrategies.com](http://downstreamstrategies.com)

304.292.2450

# AGENDA

- 01 WHO
- 02 WHERE
- 03 WHY
- 04 WHAT/WHEN
- 05 HOW
- 06 FINDINGS
- 07 COMMENTS/QUESTIONS



# WHO

## “Class Area”

All real property within a 7-mile radius of the Crosby, Texas, Arkema Inc. Chemical Plant.

Ed Gentle

Settlement Administrator  
1-855-711-2079 (toll free)  
(205) 716-3000

[settlement@crosbyharveysettlement.com](mailto:settlement@crosbyharveysettlement.com)

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Marc Glass, LRS

Technical Advisor





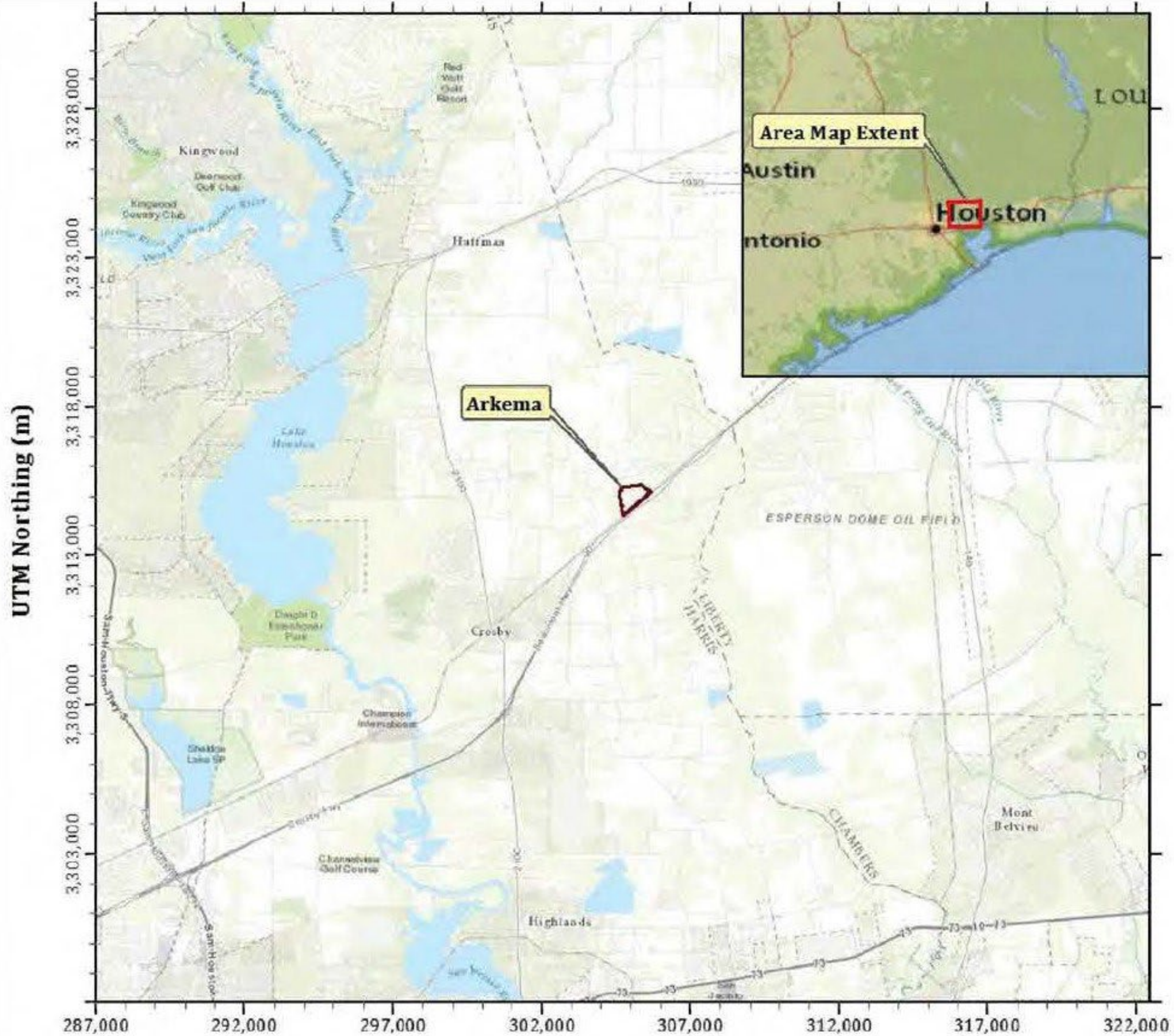
# WHERE

## Class Area

All real property within a 7-mile radius of  
the fence line boundary of  
Arkema Inc. Chemical Plant  
18000 Crosby Eastgate Road  
Crosby, Texas



~3.5 miles northeast of Crosby



UTM Easting (m)  
All Coordinates shown in UTM Coordinates,  
Zone 15, NAD 83 Datum



# WHY

Fires

August 31–September 3, 2017

Organic peroxides  
decomposed, burned in  
several fires.

Evaluate potential exposure to  
Arkema related COCs.







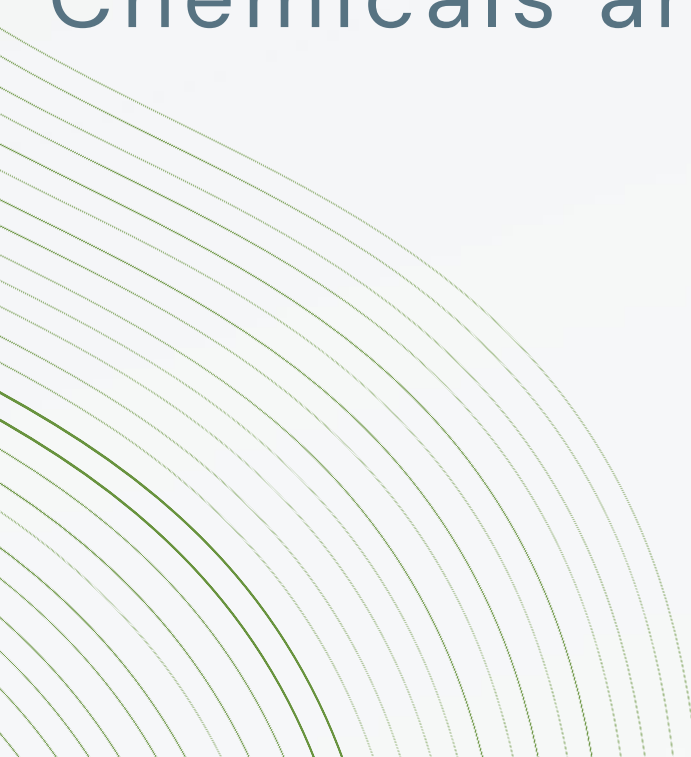




50 in



## Chemicals and containers



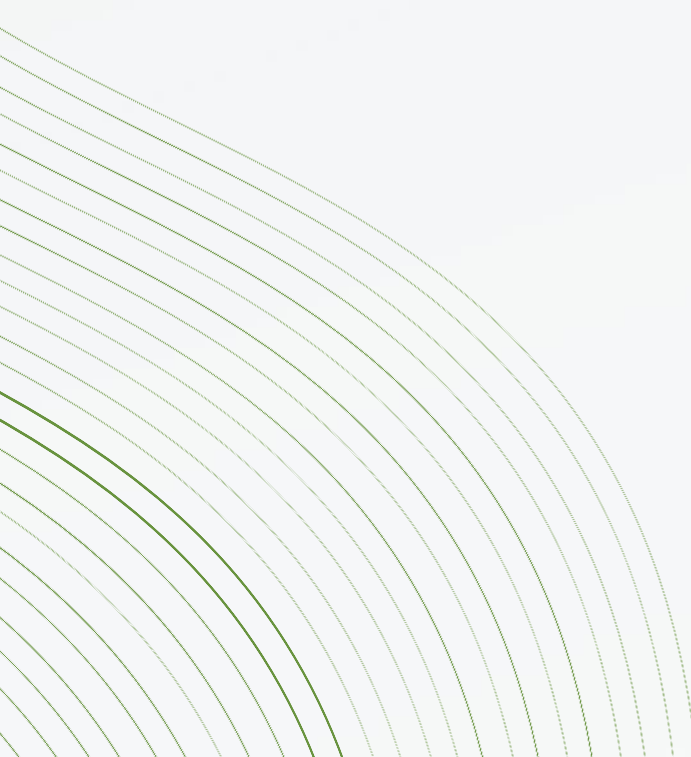


# Ash in yards





# Ash in yards







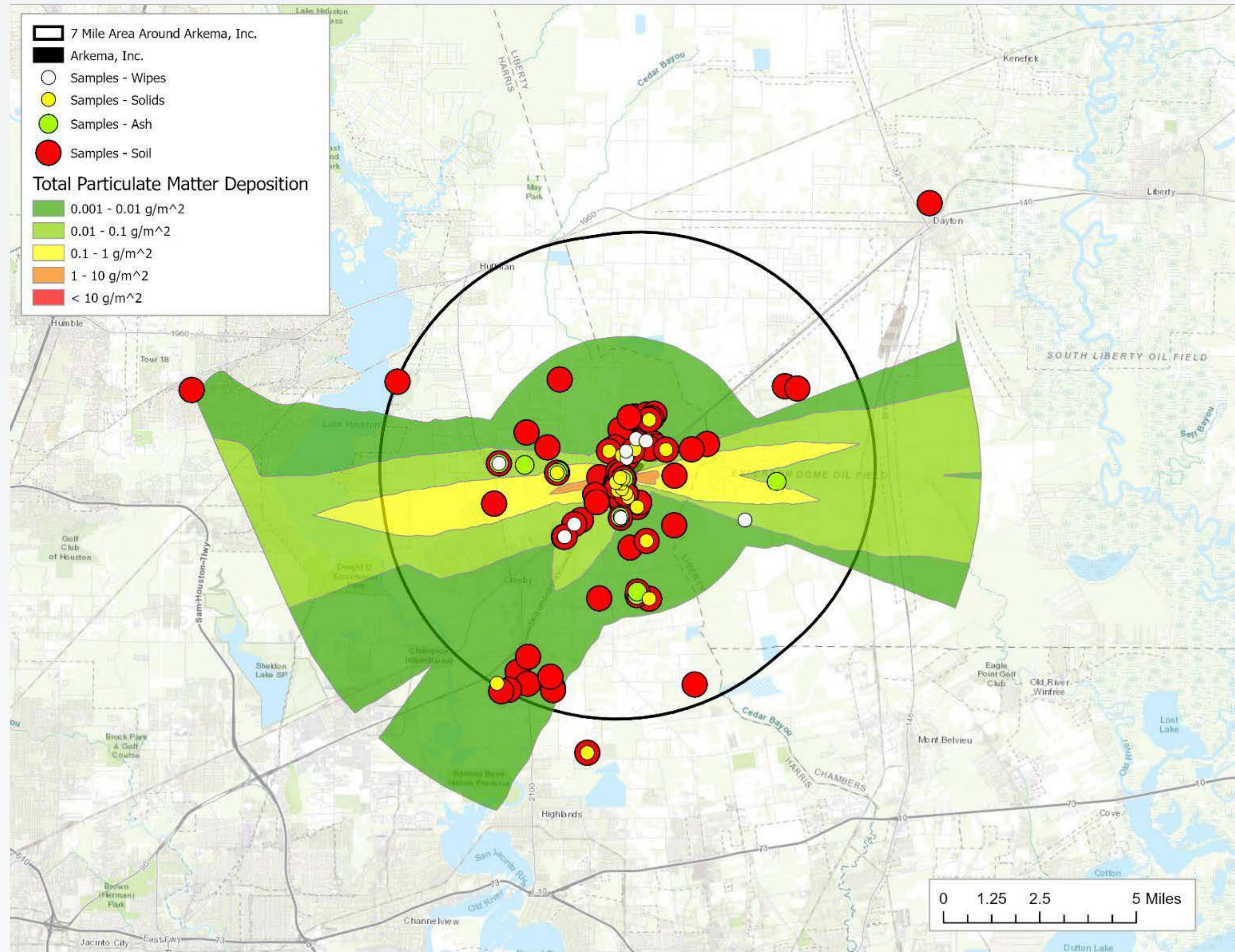
Soil and dust  
sampling



# WHY

Sampling of soil and dust

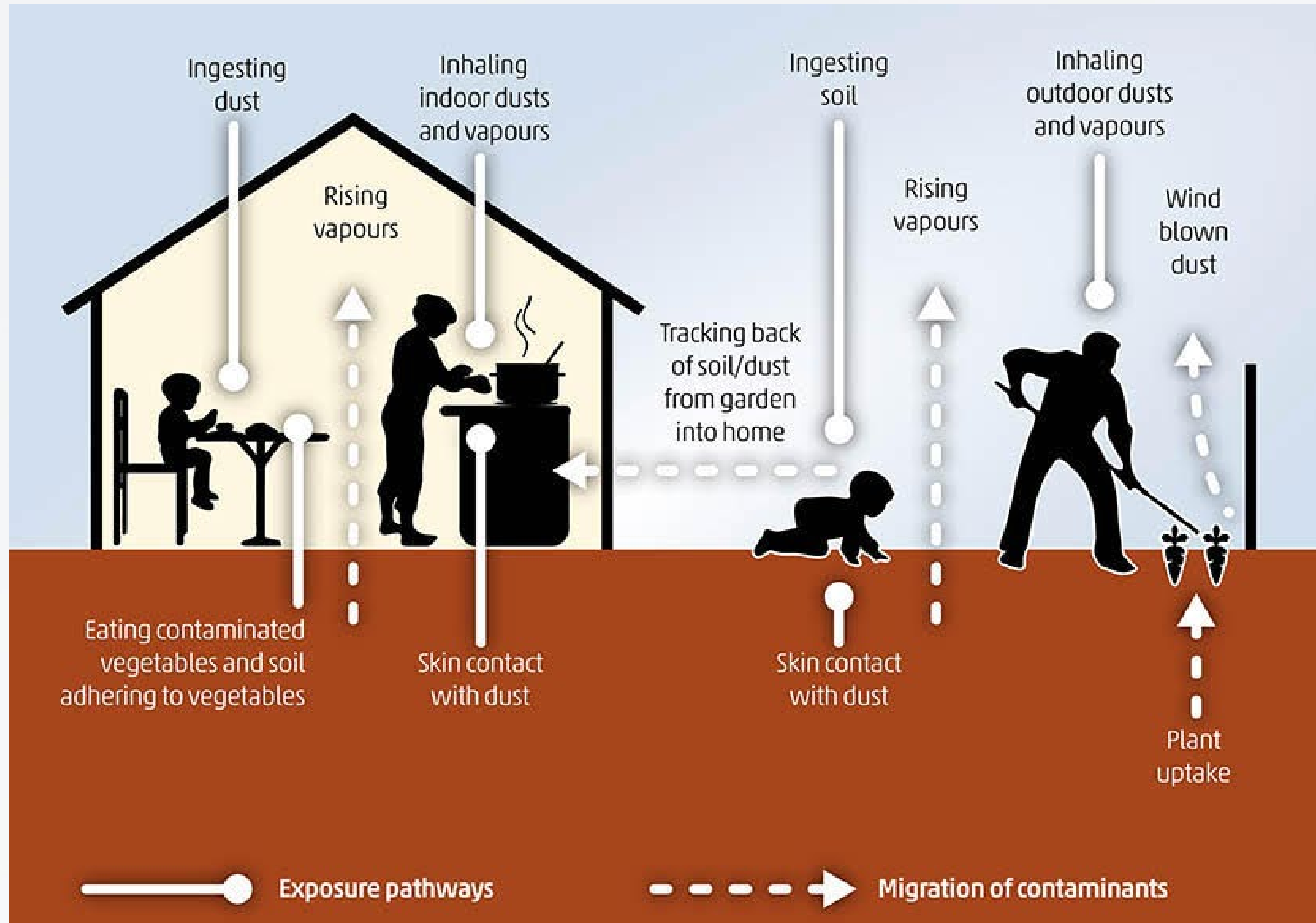
Air deposition models





# WHY

Evaluate potential exposure to Arkema related COCs.



# WHAT/ WHEN

## ASSESSMENT

Sign up now

Free testing of soil and  
dust in occupied  
interiors

## ANALYSIS

Contaminants of concern:  
Dibenzo-dioxins/furans

## CLEANUP

“Certificate of cleanliness”

Soil replacement

Interior structure cleaning



# HOW

- Site Assessment (Characterization) via sampling
- Compare to target cleanup levels
- Remediation (Cleanup)





Soil and dust  
sampling



# Program

Test soil and dust for Dioxins and Furans

Settlement criteria for soil

- TCEQ (2023) 1,000.0 ppt
- EPA RSL 4.8 ppt

Settlement criteria for interior dust

- 20 pg/ft<sup>2</sup>

# Clean or Cleanup





Soil replacement

Interior cleaning





# COMMENTS AND QUESTIONS

For additional information, contact:

Ed Gentle

Settlement Administrator

1-855-711-2079 (toll free)

(205) 716-3000

(205) 960-2533 (cell)

[settlement@crosbyharveysettlement.com](mailto:settlement@crosbyharveysettlement.com)

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# Takeaways

Testing and cleanup are free, but you have to sign up

Value in removing uncertainty

Helps protect you AND your neighbors

Let's sign up as many as we can

Increase property value (7% often assessed for damage)

Increase your health by lowering exposure