ATSDR and Brownfields/Land Reuse Health Initiative



Webinar: Improving Community Health through Land Reuse and Development November 8, 2012 2:00 – 3:00 EST

To hear audio you MUST call into the number listed below:

(877) 820-7831 Passcode: 569858

The findings and conclusions in this report have not been formally disseminated by the Agency for Toxic Substances and Disease Registry and should not be construed to represent any agency determination or policy.



Today's Speakers

Laurel Berman, PhD

ATSDR National Brownfields Coordinator



Leann Bing

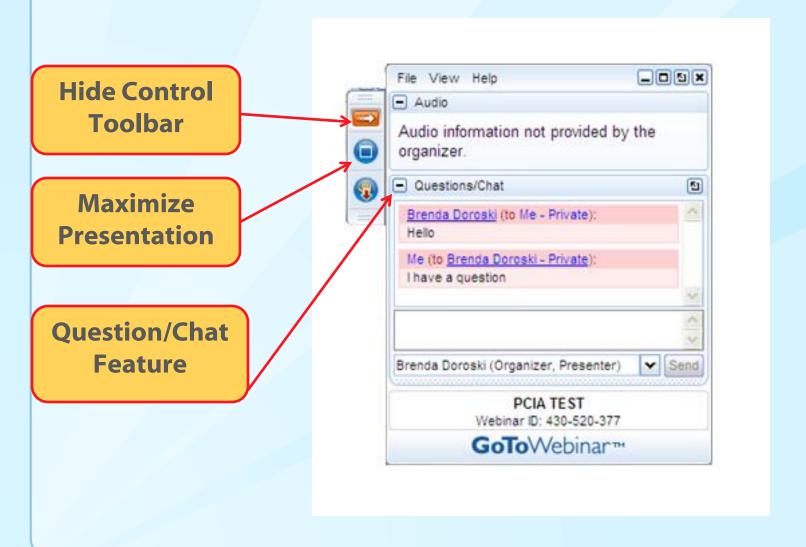
ATSDR Regional Representative, Region 4



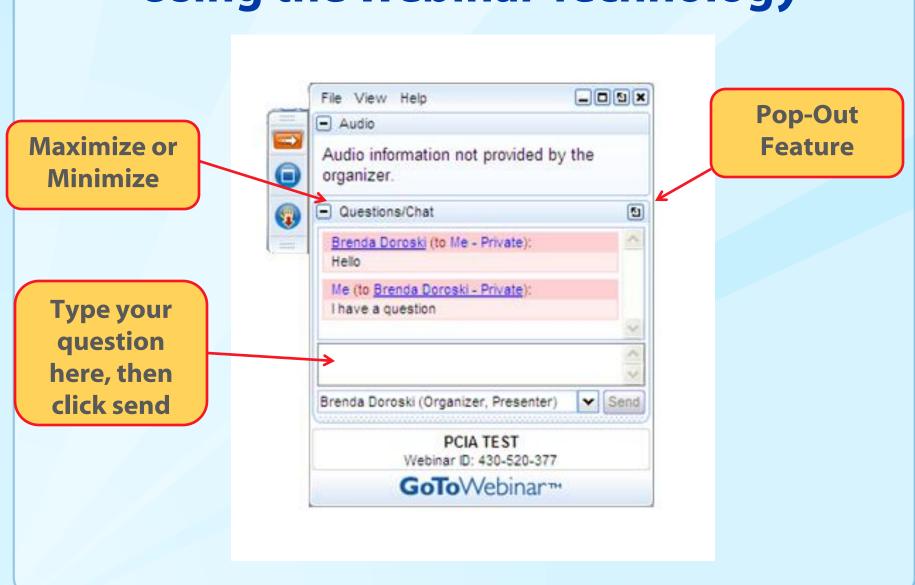
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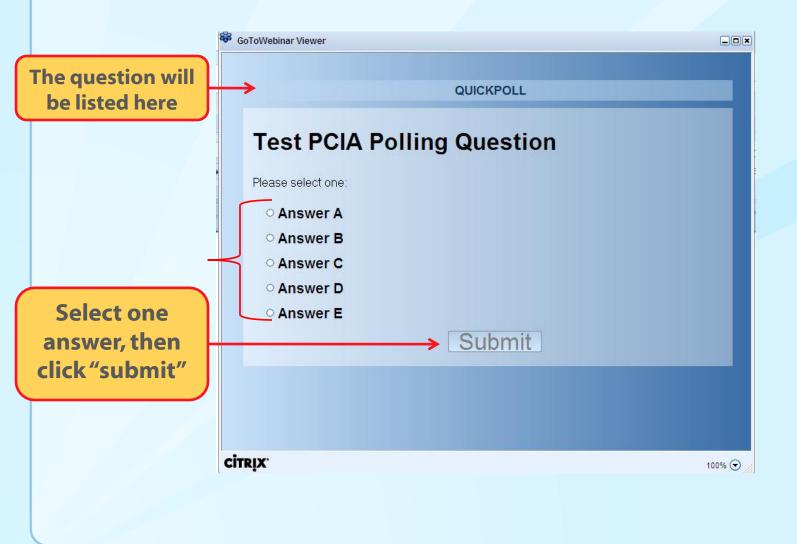
Using the Webinar Technology



Using the Webinar Technology



Using the Webinar Polling Technology



Webinar Purpose

- Review brownfields/land reuse landscape and public health's important role in redevelopment
- Highlight the range of free
 ATSDR resources to meet your redevelopment needs
- Showcase community projects that are improving health
- Describe actions you can take to improve the health of your community



Agenda

- Overview: ATSDRBrownfields/Land Reuse Initiative
- Role of public health in redevelopment projects
- ATSDR's approach to sites
 - Promote the 10% Health Award
 - Provide free tools and resources
 - Showcase models of success
 - Support community health pilots
 - Change policy
- Next steps: Actions you can take in your community
- Interactive Q&A



Questions to Consider

- What did I hear about ATSDR's Initiative that I want to learn more about?
- What tools and resources am I already using in my redevelopment efforts?
 - What tools and resources did I hear about that can help me do even more?
- How could I engage my regional ATSDR representative to increase public health considerations in my projects?
- What 2-3 steps will I take as a result of this webinar?

Polling Question 1: How familiar are you with ATSDR's initiative?

- A. Very familiar. I use their tools in all my projects.
- B. Somewhat familiar. I know what they offer and we use some of their tools.
- c. Not very familiar. I know about the initiative, but we don't use their resources.
- D. Unfamiliar. This is my first introduction to ATSDR's initiative.
- E. Not applicable.

Polling Question 2: How important is public health in your project?

- A. Very Important. It's a critical component of every project.
- B. Important. We try and always at least consider public health.
- c. Not Very Important. We know it's important, but we don't have the time/resources/interest to address it.
- D. Unimportant. We rely on someone else to address health considerations.
- E. Not Applicable.



What does ATSDR do?

ATSDR helps people understand how a brownfield/land reuse site can affect the health of their community.

Goals of the initiative

- Encourage communities to include and promote community health in brownfield and land reuse projects.
- Protect community members' health when redeveloping brownfields and land reuse sites.

Your Community Health Partner

Contact ATSDR for:

- Free tools and training
- Examples of successful community projects
- Specialists that can help you locate and understand existing community health data
- Committed, knowledgeable staff

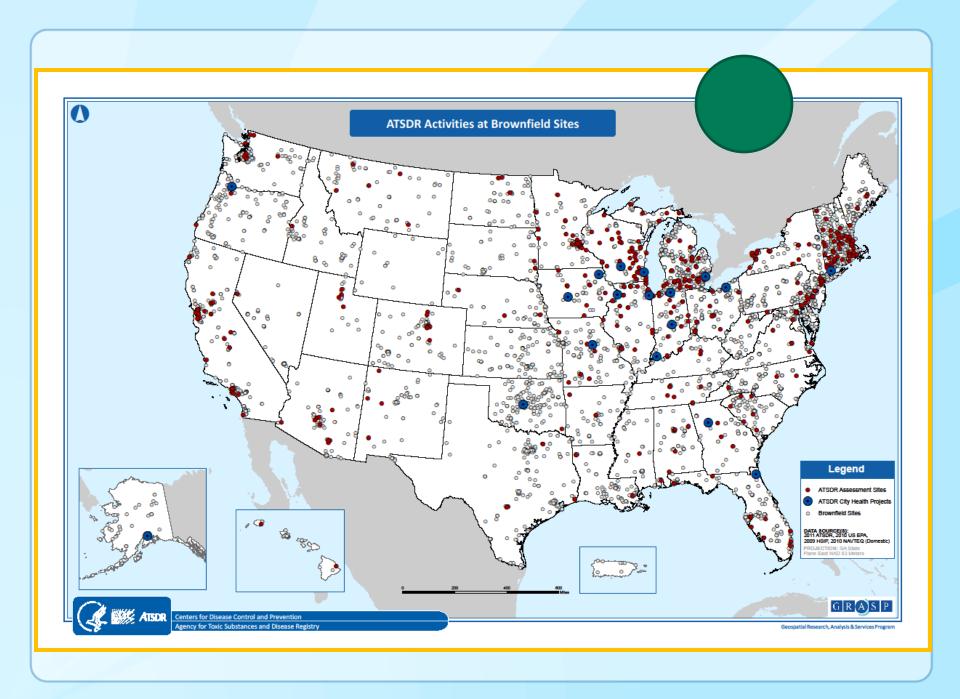
www.atsdr.landreuse@cdc.gov

Successful Results

Communities have seen:

- Increased access to community health center services.
- Increased community activities to promote healthy lifestyles (like community gardens and parks).
- Decreased crime rates and safer neighborhoods.
- Increased economic opportunities, property values, adult education.



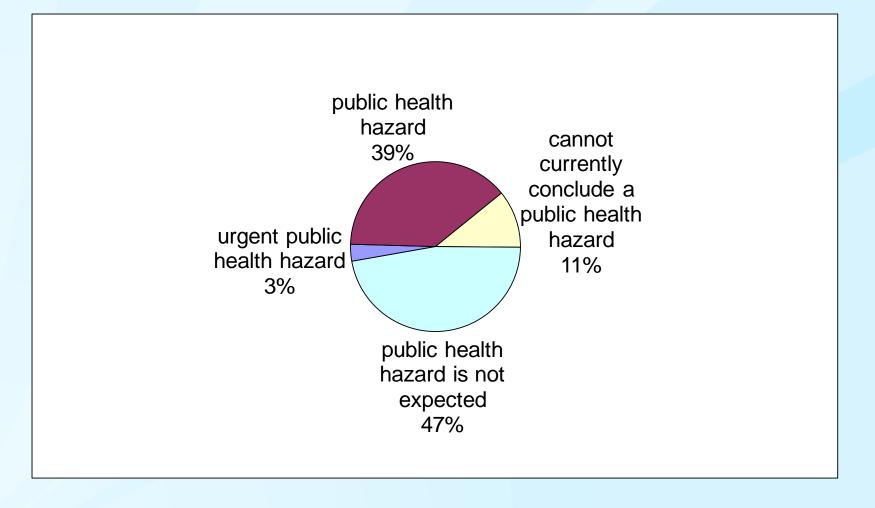


Polling Question 3: Do you coordinate with your local health agency on redevelopment projects?

- A. Yes
- B. No
- c. Not Sure
- D. Not Applicable

What is the role of public health in redevelopment projects?

Health Conclusion Categories for Brownfield /Land Reuse Sites



Contaminated sites were and are being reused without careful assessment



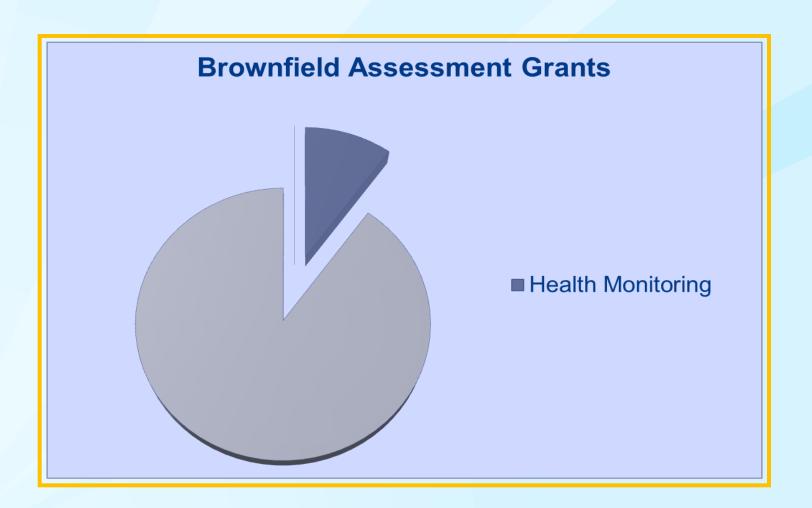
Our Approach to BFLR Sites

- 1. Promote 10% Health Award
- 2. Provide free tools and resources
- 3. Showcase models of success
- 4. Support community health pilots
- 5. Inform policy makers
- 6. Promote action (Next steps)

Going Beyond Traditional ATSDR Work

- 1. Promote 10% Health Award
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10% Health Monitoring in Brownfields Assessment Grants



Polling Question 4: Do the projects you support take advantage of the 10% Health Monitoring Award?

- A. Yes
- B. No
- c. Not Sure
- D. Not Applicable

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ATSDR Action Model

Step 1: What are the issues in the community?



Step 2: How can development address these issues?



Step 3: What are the corresponding community health benefits?



Step 4: What data are needed to measure change?

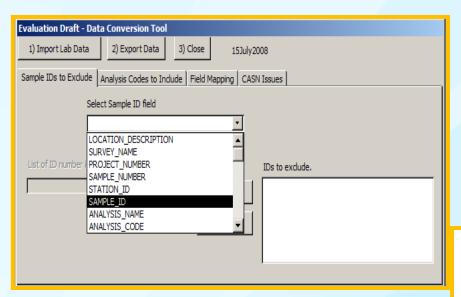
ATSDR Brownfields/Land Reuse Site Tool

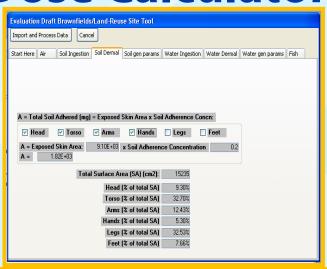


Perlman, GD; Berman, L, Bing, K. (2012). ATSDR Brownfields/Land Reuse Site Tool. *Journal of Environmental Health*, 75(5), 30-34.

Expected release: mid-November 2012.

ATSDR Brownfields/Land Reuse Site Tool Multiple Dose Calculator





Air - Results based on the maximum values.						<i>bnv:</i> 3.00 E+01			AD_yvs: 5.00E+00	
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Cadmium	007440-439	ppb	CREG	1E-0+	Υ	5.DE+CO	16	15	1	3060
Coball	007440-494	ppb	Otranic MRL	4E -02	Υ	+ <i>5</i> €+01	16	0	16	
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Kaphitalore	000091-20-3	ppb	Otrania MRL	7E-01	Υ	1.3E+03	16	15	1	
Nidel	0074404020	ppb	Otranic MRL	4E- 02	Υ	2,620-01	16	0	16	
Phend	000108 95 2	ppb	Acute MRL	2E+01	Υ	5.1E+02	16	15	1	
Vanadium	007440-62-2	ppb	Acute MRL	1E-01	Υ	5.9E+01	16		16	

Brownfield /Land Reuse Community Health Videos



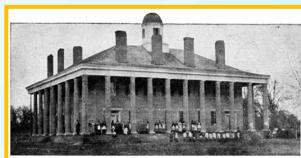




City of Jacksonville, Florida: Brownfields/Land Revitalization Program

Squim, Washington: Jamestown S'Kallam

Baraboo, Wisconsin: Baraboo Ringling Riverfront Redevelopment



Tahlequah, Oklahoma: Cherokee Nation



Postville, Iowa: Upper Explorerland Regional Planning Commission

Environmental Health Education for Local Health Departments and Environmental Agencies

- Toxicology
- Risk communication
- Epidemiology
- GIS



Polling Question 5: Which of these tools/resources have you used in your project? (Select all that apply)

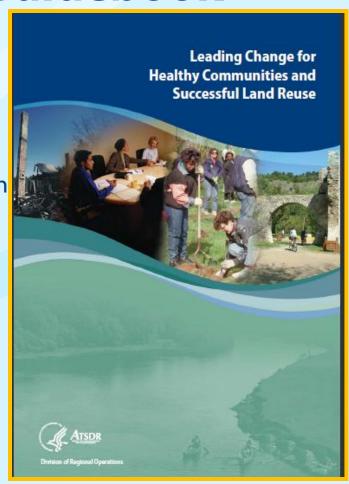
- A. Action model
- B. Site tool
- c. Dose calculator
- D. Community health videos
- E. Leading Change book
- F. Health education services

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Best Practices Community Health Guidebook

- ☐ The Brass Site, Kenosha, Wisconsin
- Clearwater Brownfields Area, Clearwater, Florida
- ☐ Five Mile Creek, Jefferson County, Alabama
- ☐ Highland Park, Milwaukee, Wisconsin
- Menomonee River Valley, Milwaukee, Wisconsin
- ☐ Treasure Valley Institute for Children's Arts, Boise, Idaho
- ☐ Yukon River Inter-Tribal Watershed Council, Alaska and Yukon
- Moore Square Museums Magnet School, Raleigh, North Carolina
- Keweenaw Bay Indian Community, L'Anse Indian Reservation, Michigan



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Community Health Projects

- Bridgeport, CT
- Pleasantville, NJ
- □ Hudson/Mohawk River Corridor, NY
- □ Buffalo, NY
- □ Rochester Falls, NY
- □ Niagara Falls, NY
- Tallassee, AL
- Atlanta Brownfield Project, GA
- □ Tampa, FL
- □ Clearwater, FL
- Jacksonville, FL
- □ Baraboo, WI
- □ Detroit, MI
- Milwaukee, WI
- □ Rock County, WI
- Indianapolis, IN
- Cedar, MI
- Blue Island, IL

- **East Cleveland, OH**
- Cuyahoga County, OH
- City of Piqua, OH
- Central Corridor, MN
- Elkhart, IN
- Tribal Brownfields Video (4&6)
- Clinton, IA
- Upper Explorerland, IA
- Perry, IA
- Missouri Lead Mining
- Saipan UXO
- Tucson, AZ
- Lummi Nation, WA
- Linnton, OR
- Portland, OR
- Tribal Brownfields, AK
- Highway to Health and Healthcare

Case Study: Baraboo, WI



The ATSDR
Brownfields/Land
Revitalization Action Model
is a grassroots, community
level model designed to
foster dialogue,
communication, and vision
among the diverse
members of the
"Development Community".





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ATSDR and Partners Creating Change

- School siting guidelines
- Urban gardening and soil kitchens
- Day care siting
- □ Lead exposures
 - Curriculum and wells

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Environmental Justice Detroit, MI







Abandoned Gas Station to Neighborhood Police Station and Family Center



From Dilapidated Housing to Neighborhood Renaissance





Recreational Trail Expansion and Use

Before (ATSDR, 2008)





After (ATSDR, 2010)







Land (Re)Use

From waste transfer facility to clover field







Continued remediation of a manufactured gas plant







Promoting Action: Steering Committee

- Urban planning
- Food policy/systems
- Academics
- Public health
- Environmental regulation
- Community outreach
- Economic development
- Other

Actions You Can Take

- Download ATSDR's free resources at www.atsdr.cdc.gov/sites/brownfields
- ☐ Contact your regional ATSDR representative to learn more
 - □ <u>atsdr.landreuse@cdc.gov</u> for information
- ☐ Engage your state or local health department in the planning process
- ☐ Adopt the ATSDR Action Model for your project

Polling Question 6: As a result of this webinar, I plan to... (Select all that apply)

- A. Download and use ATSDR's materials
- B. Contact my regional ATSDR representative
- c. Engage my state and/or local health department
- D. Adopt the ATSDR Action Model for my project(s)
- E. Other

Questions and Answers

To ask a question, please type your question in the Questions/Chat pane on your webinar console.

Contact Information

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The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention or the Agency for Toxic Substances and Disease Registry

