ATSDR and Brownfields/Land Reuse Health Initiative

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

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Today’s Speakers

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ATSDR National Brownfields Coordinator

Leann Bing
ATSDR Regional Representative, Region 4

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Using the Webinar Polling Technology

- Select one answer, then click “submit”
- The question will be listed here
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: ATSDR Brownfields/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.
ATSDR is engaged on the front lines protecting public health one community at a time!
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.
Why health agency involvement?
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

- Urgent public health hazard: 3%
- Public health hazard: 39%
- Cannot currently conclude a public health hazard: 11%
- Public health hazard is not expected: 47%
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
Going Beyond Traditional ATSDR Work

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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 Multiple Dose Calculator

Evaluation Draft - Data Conversion Tool

Evaluation Draft Brownfields/Land Reuse Site Tool

Sample IDs to Exclude

Analysis Codes to Include

Field Mapping

CASN Issues

Total Surface Area (DA) [m²]

Exposed Skin Area [m²]

Total Dose (mg/kg)

Exposed Skin Dose (mg/kg)

Exposed Skin Dose (mg/min)

Exposed Skin Dose (mg/person)

Exposed Skin Dose (mg/person-day)

Exposed Skin Dose (mg/person-year)

Exposed Skin Dose (mg/person-year) / Total Dose (mg)

Exposed Skin Dose (mg/person-year) / Total Dose (mg/kg)

Exposed Skin Dose (mg/person-year) / Total Dose (mg/min)

Exposed Skin Dose (mg/person-year) / Total Dose (mg/person)

Exposed Skin Dose (mg/person-year) / Total Dose (mg/person-day)

Exposed Skin Dose (mg/person-year) / Total Dose (mg/person-year)
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
Going Beyond Traditional ATSDR Work

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)
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
Going Beyond Traditional ATSDR Work

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5. Inform policy makers
6. Promote action (Next steps)
<table>
<thead>
<tr>
<th>Community Health Projects</th>
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<tbody>
<tr>
<td>Bridgeport, CT</td>
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<tr>
<td>Pleasantville, NJ</td>
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<td>Hudson/Mohawk River Corridor, NY</td>
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<td>Tribal Brownfields Video (4&amp;6)</td>
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<td>Tribal Brownfields, AK</td>
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<td>Highway to Health and Healthcare</td>
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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.”
Going Beyond Traditional ATSDR Work

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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.atrsdr.cdc.gov/sites/brownfields

- Contact your regional ATSDR representative to learn more
  - atsdr.landreuse@cdc.gov 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