

# BROWNFIELDS AS A CATALYST FOR COMMUNITY CHANGE

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# EPA Brownfields Resources

- Environmental Site Assessments
- Clean-up
  - Site clean-up grants
  - Revolving Loan Fund
- Area Wide Planning
- Environmental Workforce Development and Job Training

# NE Dept of Environmental Quality

- Assessments (Section 128 (a)) Program
  - Government and non-profit applicants (sites can be privately owned)
- Asbestos remediation cost share
  - 50% of costs up to \$10,000
- Petroleum Release Remedial Action Reimbursement Fund (Petroleum tanks)
- Voluntary Clean-up Program
- Inventories also conducted

# Kansas State Technical Assistance to Brownfields



- **Free** assistance with brownfields redevelopment planning; environmental, economic development expertise
- Tailored to specific community needs
  - Fill service gaps
  - Coordinated through the city, tribal or non-profit brownfields project manager
- Communities accepted on a 'first come' basis
  - Depends on staff/funding availability
- No application process, just contact them



UNLEADED

Q9

1.19

REGULAR

99

PREMIUM UNLEADED

99









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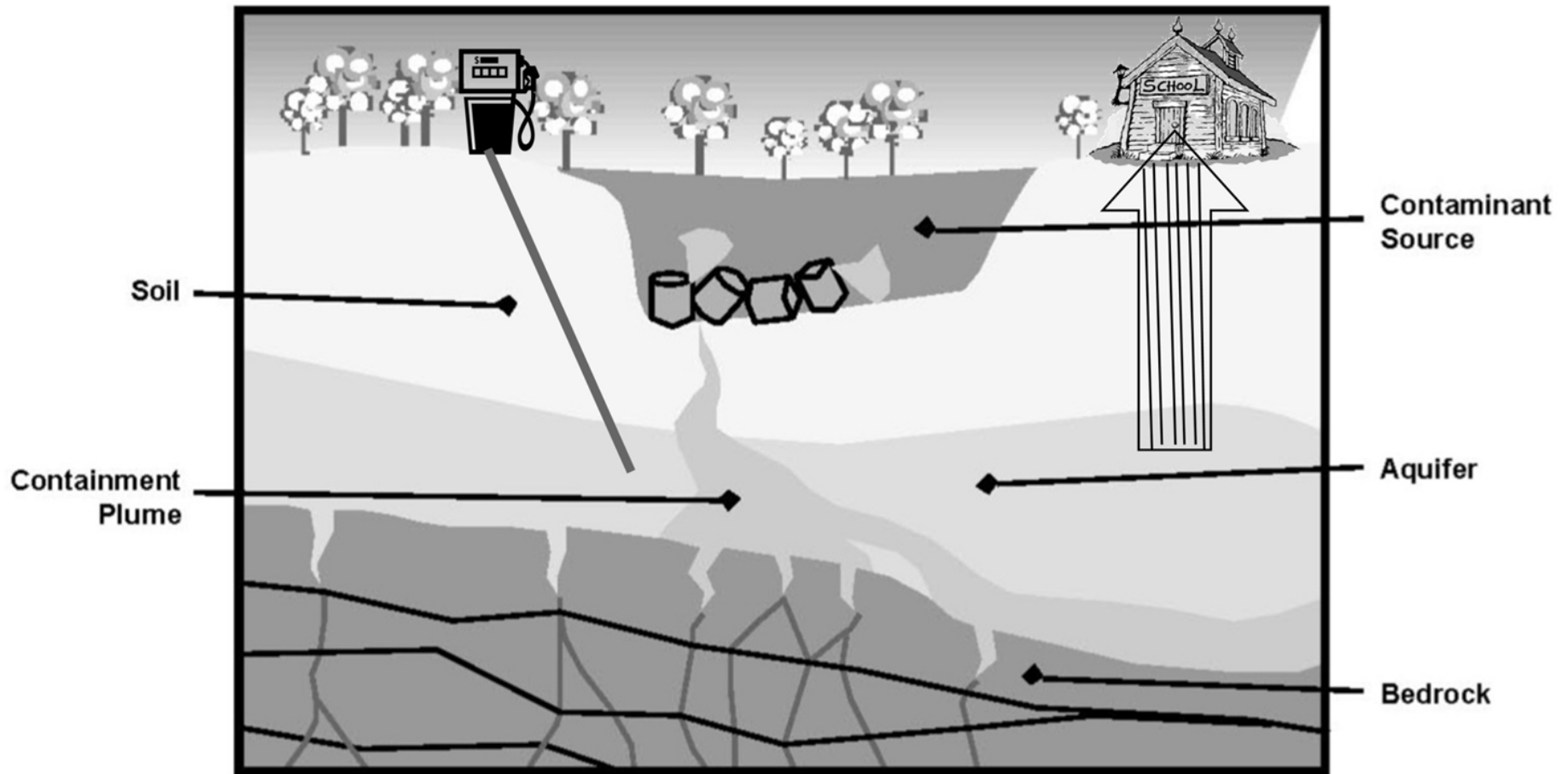




# Why should I care?

- Potential **health hazards** from contamination
- Clean-up process **complicates redevelopment**
- **Negative perception** of sites prevents redevelopment

# Contamination Pathways







Is there contamination?

How much will clean-up cost?

Is the current owner scared of what someone might find?

Is what I want to do even feasible here?

What's my responsibility?

Is the building able to be saved?









# Brownfields as a catalyst for change

- Discussion opens up possibilities and eliminates assumptions
- Simultaneously reduce blight and promote infill

# Another tool to help communities be prepared for opportunities



















# Brownfields Process

**Identify**

Inventory sites and needs





# Needs and site inventory

The screenshot displays the ArcMap interface for a project named "Brownfields\_Inventory.mxd". The main map area shows an aerial view of a residential and commercial area with several parcels highlighted in cyan. The interface includes a menu bar (File, Edit, View, Bookmarks, Insert, Selection, Geoprocessing, Customize, Windows, Help), a toolbar with various GIS tools, and a scale of 1:8,000. On the left, the "Table Of Contents" panel lists several layers, all checked and set to "Brownfield":

- Chadron\_parcel (Yes)
- Rushville\_parcel (Yes)
- HS\_Current\_Landuse (Yes)
- Alliance\_Parcel (Yes)
- Hemingford\_Parcel (Yes)
- Gering\_Parcel (Yes)
- Gordon\_parcel (Yes)

On the right, the "Create Features" panel is open, showing "There are no templates to show." Below it, the "Construction Tools" panel is also open, showing "Select a template." The status bar at the bottom right indicates coordinates: 982280.246 1059158.29 Feet.



# Brownfields Process

**Identify**

Inventory sites and needs

**Site Assessment**

Phase I: Historical

Phase II: Testing



# Environmental Site Assessment: Phase I

- Non-intrusive/No Sampling
- Is there a concern?
- What and where?

# Environmental Site Assessment: Phase II

- Only as needed
- Sampling/Lab testing
- Confirms if there is a concern
- What and how much
- Risk analysis (pathways and populations)
  - Very helpful to have end use in mind



# Brownfields Process

**Identify**

Inventory sites and needs

**Site Assessment**

Phase I: Historical

Phase II: Testing

**Clean-up &  
Redevelopment**



# Clean-up and Redevelopment

- Clean-up Plan
  - Engineering solution
  - Cost estimates
  - Voluntary clean-up and regulatory closure
- Layers of funding and partners are essential

# TAB Services

- Help identifying and **inventorying** brownfields
- Strategic planning and redevelopment **visioning**
- Economic feasibility and **sustainability** analysis
- Educational **workshops**
- **Community** outreach and input
- Help identify **funding** sources
- Review of **grant applications**
- Help finding and evaluating **environmental consultants**
- **Review** of plans and technical reports
- Fact sheets and **information**
- Other assistance, as needed and agreed upon