

What are Brownfields? and.... Do I have One????

Sabine E. Martin, Ph.D., P.G.

Center for Hazardous Substance Research
Kansas State University

April 2010



What is a Brownfield?

Real property of which the expansion, redevelopment, or reuse may be complicated by the **presence** or **potential presence** of a hazardous substance, pollutant, or contaminant. (Public Law 107-118 (H.R. 2869) - "Small Business Liability Relief and Brownfields Revitalization Act" signed into law January 11, 2002)

Brownfields in the U.S.

- Estimated 450,000 to 1 Million sites
- 5 million acres of abandoned industrial sites in U.S. cities – roughly the same amount of land occupied by 60 of the largest U.S. cities

U.S. Department of Housing and Urban Development

Brownfield Examples

- Abandoned gas stations
- Abandoned grain elevators
- Former manufacturing facilities
- Abandoned properties next to rail lines
- Former school buildings
- Abandoned residential properties next to industrial facilities
- Vacant residential lots

Typical Brownfield



Abandoned Service Station

Typical Brownfield



Abandoned Service Station

Brownfields on Main Street?



Brownfield?



Brownfield?



Abandoned Residential Lot

Typical Brownfield



Former Drive-In

Typical Brownfield



Grain Storage Facilities/Coops found throughout rural areas

Brownfield?



Abandoned School Building

Why Redevelop Brownfields?

- Desirable locations
- Increases local tax base
- Improves community image
- Mitigates blight
- Mitigates public health and safety concerns
- Reduce the need to develop greenfields
- Uses existing infrastructure (cost savings)





10/21/2009 12:26

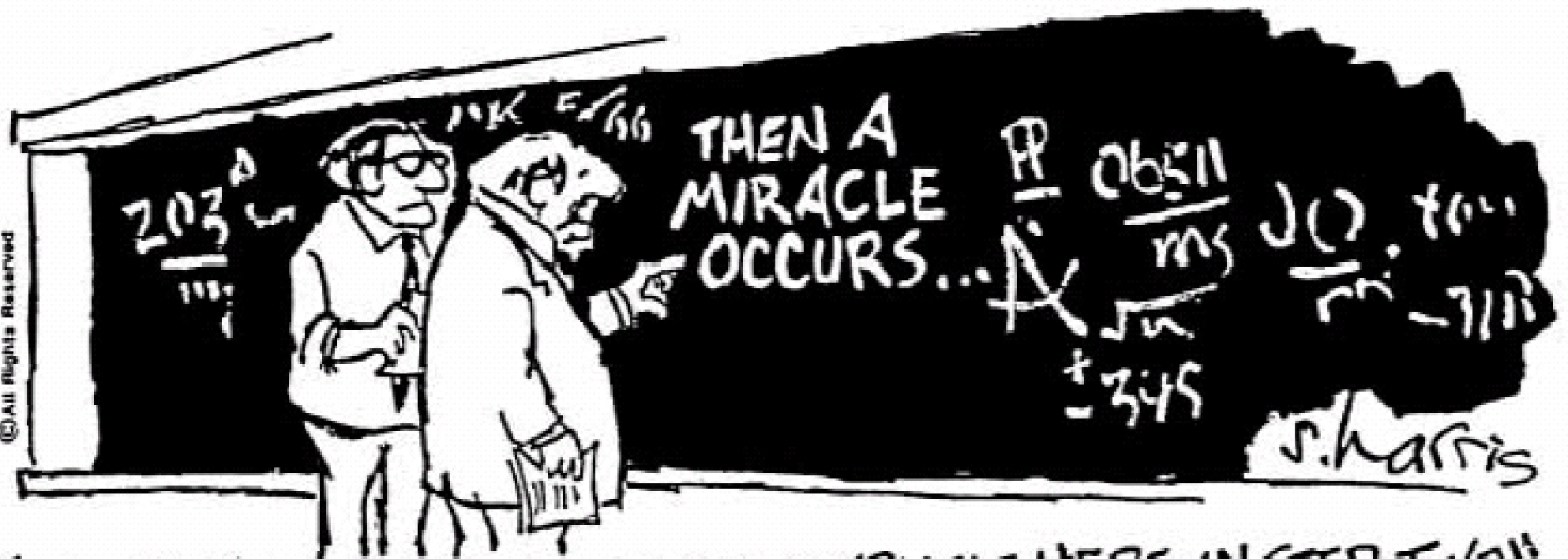


Often it is the PERCEPTION of contamination that keeps properties from being redeveloped, not the actual presence of contamination.

Once the “stigma” is gone, properties can be returned to productive use.




© All Rights Reserved

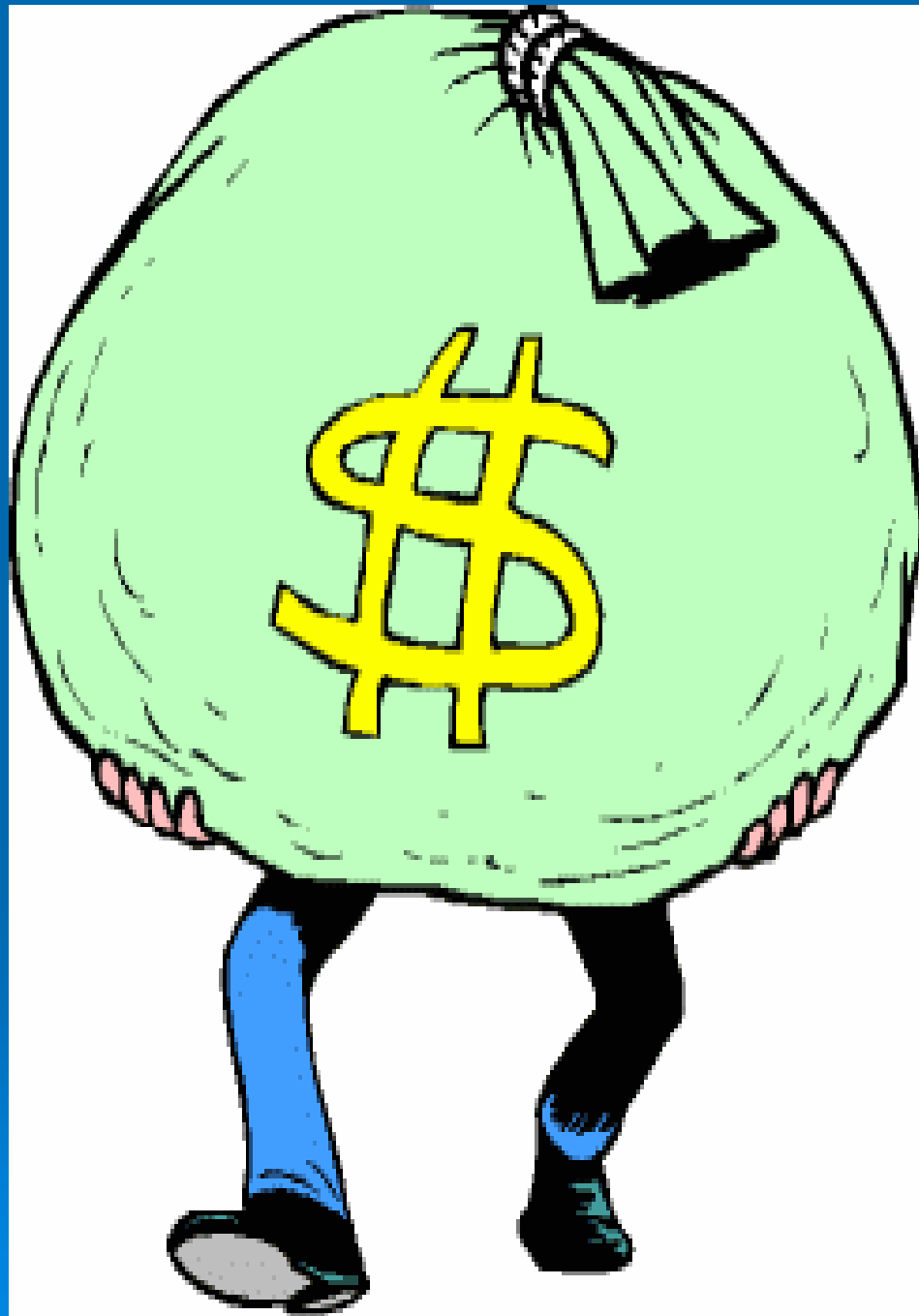


"I THINK YOU SHOULD BE MORE EXPLICIT HERE IN STEP TWO."

BF Process

- **Identify** the Brownfield
 - **Investigate** – Phase I/II site assessments
 - **Clean-up**, if necessary
 - **Redevelop**
- 







TAB Contacts

Dr. Sabine Martin (Program Coordinator)

1-800-798-7796

785-532-6519

smartin1@k-state.edu

Dr. Frank Beck

309-438-7090

fdbeck@ilstu.edu

Web site: <http://www.engg.ksu.edu/chsr/outreach>