Brownfields 101

Presented by:
Gary White
Topics for Today

- Definition of a Brownfield
- Overview of Brownfield Redevelopment Process
- EPA Brownfield Grant Program
- Brownfields as an Economic Development Tool
- NJIT TAB
What is a Brownfield?

“Real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant.”

-USEPA
When did this program begin?

- 1960 – Environmental Concerns Caused by Industry Plague the U.S.
- 1969 – National Environmental Policy Act
- 1970 – Clean Air Act
- 1972 – Federal Water Pollution Control Act Amendments
- 1980 - Comprehensive Environmental Response Compensation, and Liabilities Act (CERCLA)
- 2002 – Small Business Liability Relief and Brownfields Revitalization Act
Where did they come from?

- Scars of industrial past of the 19th Century
- Steel Production
- Abandoned Mine Lands
- Mills
What types of industries generate brownfields?
How many brownfield sites are there?

>500,000
What are the benefits to Brownfield Redevelopment?

- Location efficiency
- Existing infrastructure
- Removes actual and potential sources of land, water and air contamination
- Beautifies urban landscapes
- Reduces urban sprawl
- Preserves greenfield land, which may be productive farmland or environmentally significant land
- Improve public health and safety
- Job creation
- Increase community’s resilience
Steps in the Brownfield Redevelopment Process

1. Site Identification / Planning / Community Involvement
2. Access/Acquisition & Environmental Investigation
3. Environmental Remediation
4. Site Preparation
5. Redevelopment
Site Identification, Planning, Community Involvement

INVOLVE THE COMMUNITY

• Brownfield Inventory
• Visioning
• Assets & Needs Study
Access, Acquisition & Environmental Investigation

- Gain Site Access
- How will you acquire the site?
- Necessary for investigations & cleanups
Environmental Investigation

- **Phase I Preliminary Assessment**: What environmental issues could we have?
- **Phase II Site Investigation**: Do we have contamination or environmental issues?
- **Phase III Remedial Investigation**: What is the nature and extent of our contamination?
Environmental Remediation

**Remedial Action Work Plan (RAWP)**
- Actions that will be taken to address identified contamination

**Implement RAWP**
- Remediate
- Ensure remediation up was effective
Site Preparation

- Permits
- Approvals
- Demolition
- Site Clearing
Redevelopment
What is NJIT TAB?
**TAB** is a technical assistance program created by EPA and funded through cooperative agreements with three TAB providers.

**TAB** providers serve as independent resources to: state, regional, county, tribal, and local government entities, and nonprofits attempting to cleanup and reclaim brownfields.

➢ **Assistance is free of charge!**
TAB provides assistance* throughout the *entire* brownfields redevelopment process.

Assistance is provided through…

- Resource Center
- Educational Forums
- One-on-one Technical Assistance
NJIT TAB Resource Center

www.njit.edu/tab

- info on all aspects of assessing and cleaning up a brownfield site
- news and upcoming events

Resources and Tools

- Federal and state funding sources
- state brownfield programs
- state and EPA contacts
- previously recorded webinars
- downloads of workshop and seminar presentations
- PCBs brochures; GI decision tree
- how-to videos

NJIT TAB Hotline
973-642-4165   tab@njit.edu
NJIT TAB Educational Forums

Conferences: pre-conference workshops, learning labs, panel sessions, office hours

Workshops: 2 to 4 hour interactive sessions on brownfield related topics

Seminars: deeper dive into specific brownfield related topics

Brownfield Boot Camps: 4 to 7 hour more intensive, deep dive into specific brownfield related topics

Webinars: range from introducing the TAB program to specific brownfield topics

All-Grantee Meetings: work with state agencies & EPA
Informal Process for assistance – just call / email / tweet us – there is no contract to sign. All assistance is free to eligible entities.

NJIT TAB Hotline  973-642-4165
http://www.njit.edu/tab/
tab@njit.edu
Twitter: @NJITTAB