

Brownfield Basics in a Box

What's in the box?

- Public Meeting Flyer
- Public Meeting Sign-In Sheet
- PowerPoint with Introductory Information
- Inventory Questionnaire
- Brownfield Bingo Cards, Instructions, Word List, Brownfield Sentences, and Award Certificate

What are Brownfields?

**Please come and learn about brownfields!
Play Brownfield Bingo!**

When (Date and Time):

Where:

Hosted By:

- A piece of property may be a brownfield if future use is affected by real or perceived environmental contamination.
- You can help us identify potential brownfields in our community. We have to figure out where they are before we can do anything about them.
- Communities have successfully cleaned up their brownfields and used the property for things like tribal halls, playgrounds, and housing developments.



If you have questions about brownfields, please contact:

Name:

Organization Name:

Address:

Telephone:

What are Brownfields? **Public Meeting**

When (Date and Time)

Where:

Hosted By:

Please sign-in. Please include your telephone number if you would like us to call after the meeting to discuss brownfields with you.

Name	Telephone Number

If you have questions or comments, please contact:

Name:

Organization Name

Address

Telephone:

Introduction to Brownfields

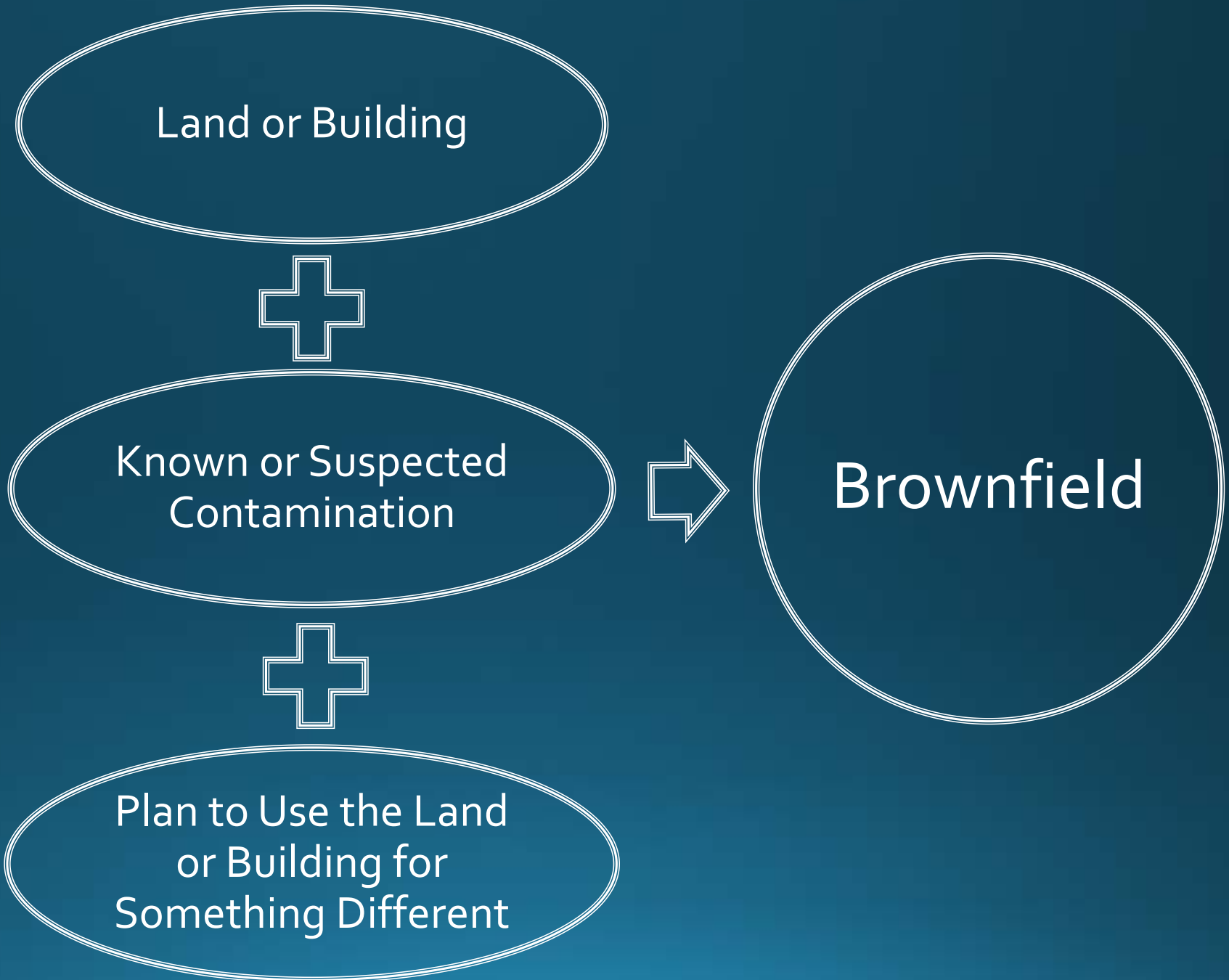


What Are Brownfields?

Definition:

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.

What Three Ingredients Make a Brownfield?



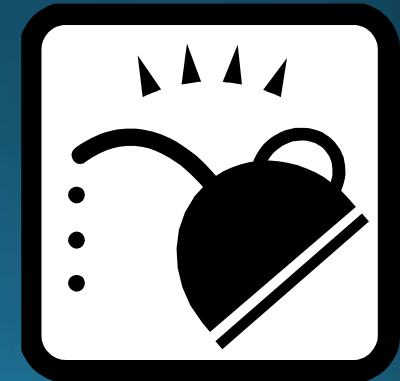
What types of Alaskan properties could be brownfields?

- Abandoned tank farms
- Old BIA schools
- Abandoned canneries
- Former military sites
- Dump sites
- Former drycleaners
- Former gas stations
- Many more!



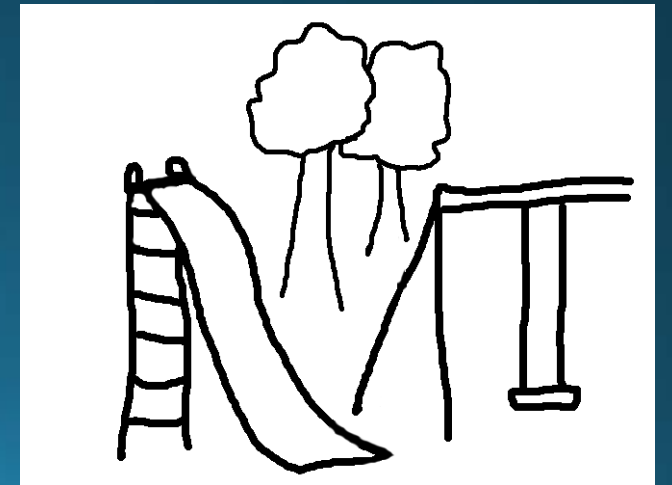
What substances might contaminate Alaskan brownfields?

- Gasoline
- Diesel
- Asbestos
- Lead
- Solvents
- Pesticides
- Many more!



What types of things could Alaskan brownfields be turned into?

- Community garden
- Tribal hall
- City offices
- Subsistence resources gathering area
- Playground
- Housing development
- Many more!



Is it a brownfield?

Do you have a piece of land or a building?

Yes

Is it contaminated or potentially contaminated?

No

Not a brownfield!

No

Yes

Is there a plan to use the site as something else?

No

It's a brownfield!

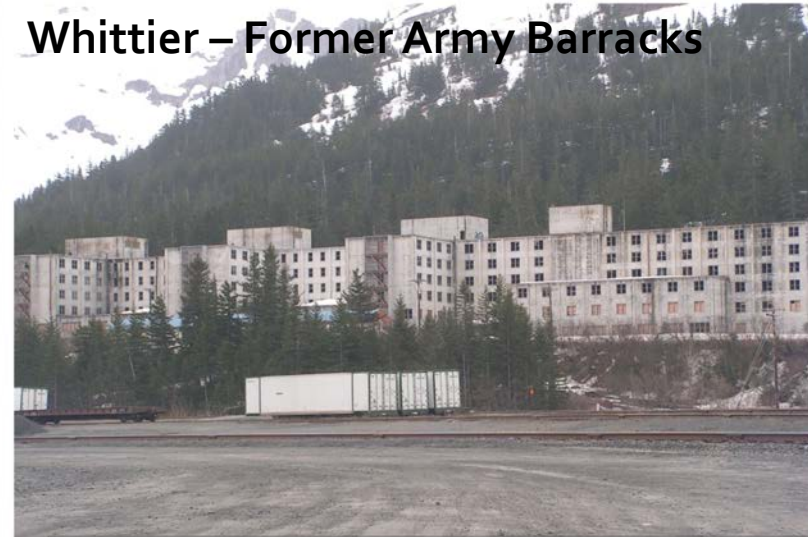
Yes

Are there brownfields in your community?

Tununak – Former Tank Farm



Whittier – Former Army Barracks



Newtok – Old BIA School



Kwethluk – Burned Community Center



Why is it good to identify and reuse brownfields?

Environmental Benefits

- Cleanup removes contaminants, protecting human health and the environment
- Cleanup lessens the likelihood of contaminants migrating off-site
- Keeps other land pristine by reusing land that was previously developed
- Can restore land so that it's safe for food production

Why is it good to identify and reuse brownfields?

Economic Benefits

- Reuse of existing structures helps keep costs down
- Reusing a brownfield can raise the value of neighboring properties
- Increased employment opportunities

Why is it good to identify and reuse brownfields?

Social Benefits

- Improves the health, safety and security of the community by getting rid of contamination and safety risks like condemned structures
- Creates opportunities for development (such as affordable housing) in core areas of communities
- Can provide opportunity for traditional lifestyle activities by restoring subsistence resources

What resources are available for assessing and cleaning up brownfields?

Alaska Department of Environmental Conservation's Brownfield Assessment & Cleanup Program

- Applications are accepted once a year, funding permitting
- Competitive process where applications are ranked against all others received within Alaska
- Services, not money, are awarded to successful applicants
- Services can include assessment and cleanup, and are free
- For more information call (907) 451-2166 or visit <http://dec.alaska.gov/spar/csp/brownfields.htm#assess>

Brownfield Resources

U.S. Environmental Protection Agency's (EPA's)

Targeted Brownfields Assessments Program

- Applications are accepted throughout the year
- Free services, not money, are awarded to successful applicants
- Assessment services can range from research of historic use of a site to taking samples to determine if the site is contaminated
- For more information call (206) 553-2594 or visit <http://yosemite.epa.gov/R10/CLEANUP.NSF/brownfields/targeted+brownfields+assessments>

Brownfield Resources

EPA's Competitive Grants

- Applications are accepted once a year, funding permitting
- Grants are available for assessment and cleanup
- Applications compete for funding against all others submitted nationwide
- \$200,000 maximum award for assessment or cleanup; 20% match required from grant recipient for cleanups
- For more information call (800) 424-4372 or visit http://www.epa.gov/brownfields/pilot_grants.htm

What's next?

Identify Brownfields in Our Community

- We have to identify our brownfields before we can do anything about them. Please fill out a site survey form if you know of a brownfield that needs work, whether investigation, cleanup or reuse

BROWNFIELDS SURVEY FORM

Thank you for taking the time to help us identify potential brownfields in our community. This information will help us better understand where future work may be needed. We may contact you with questions if we need more information about the site you have identified for consideration.

Name of Community:

Name of Person Completing Form:

Contact Information (Telephone, Fax, Email):

Site Information:

1. Where is the site? Please give the address, if known. Please describe where the site is in reference to landmarks (for example, on the lot north of the Head Start building in Kwethluk).
2. Who is the current owner of the property?
3. What is/or was the property used for? (for example, it was a tank farm before but is now a vacant lot)
4. What substance do you think the property is contaminated with? (for example, diesel)

5. What do you think caused the contamination? For example, was there a specific spill that you know of?

6. Describe the site's current condition (circle one):

Active

Inactive

Abandoned

Unknown

7. How close is the site to other structures, subsistence resources, water bodies or drinking water sources, etc.?

8. What would you like to see this site reused as? How would the community benefit from such reuse?

Thank you!

Please return this survey form to:

Name:

Organization Name:

Address:

Telephone:

Brownfield Bingo

Reuse	Property	Revitalize	Community	Environment
Partnership	Future	Subsistence	Soil	Redevelop
Blight	Water	Free Space	Contamination	Brownfield
Cleanup	Assess	Rural	Vision	Health
Urban	Land	Cooperate	Pollution	Exposure

Brownfield Bingo

Partnership	Revitalize	Contamination	Soil	Assess
Community	Vision	Reuse	Subsistence	Blight
Exposure	Pollution	Free Space	Rural	Cleanup
Property	Cooperate	Land	Water	Urban
Health	Future	Environment	Redevelop	Brownfield

Samples may be taken to assess what a brownfield is contaminated with.

The bingo word is: **assess**.

Exposure to contamination can sometimes cause illness.

The bingo word is: **exposure**.

An Old BIA school that is boarded up and vandalized is an example of blight.

The bingo word is: **blight**.

Communities can plan for the future by identifying brownfields now and moving them toward reuse.

The bingo word is: **future**

The three ingredients that define a brownfield are: a piece of land or building, contamination, and a plan to use the property for something different.

The bingo word is: **brownfield**.

Contamination can impact the health of the people exposed to it.

The bingo word is: **health**.

Resources to help cleanup brownfields are available from the Alaska Department of Environmental Conservation.

The bingo word is: **cleanup**.

Putting a brownfield into productive use can raise the property values of the land next to it.

The bingo word is: **land**.

Brownfield Bingo Words

Check off each word as it is drawn from the container and called.

- Assess
- Blight
- Brownfield
- Cleanup
- Community
- Contamination
- Cooperate
- Environment
- Exposure
- Future
- Health
- Land
- Partnership
- Pollution
- Property
- Redevelop
- Reuse
- Revitalize
- Rural
- Soil
- Subsistence
- Urban
- Vision
- Water

★ **ACHIEVEMENT AWARD** ★

This award is presented to

.....
for outstanding achievement in
BROWNFIELD BINGO
.....

.....
Signature

.....
Date

