



ALASKA NATIVE
TRIBAL HEALTH
CONSORTIUM



TAB

TECHNICAL ASSISTANCE TO BROWNFIELDS

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*CERCLA 128(a):
Tribal Response Program
(TRP)*

Element 1: Brownfield Inventory

Tier 1: Module 3



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Tribal TAB Program

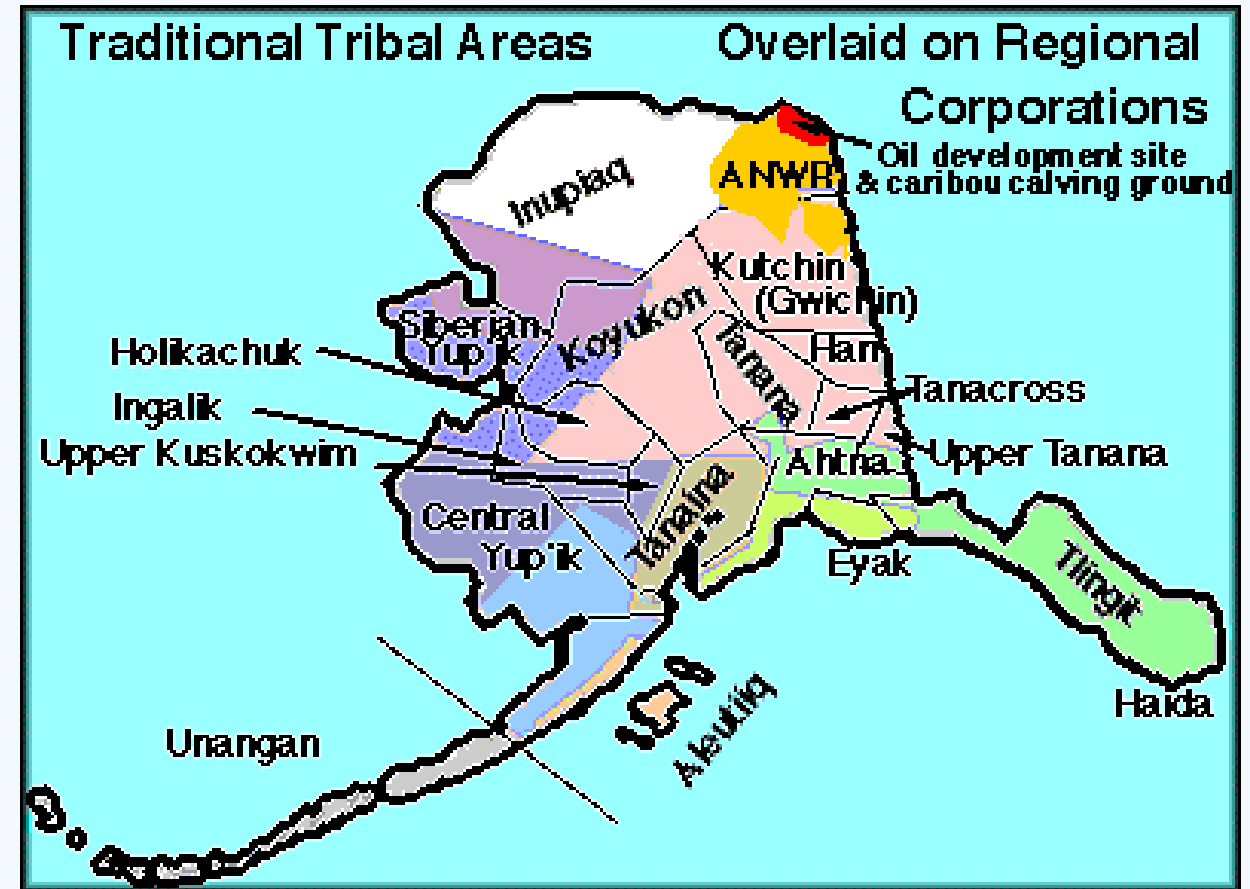
*Providing “Technical Assistance
to Brownfields” to all U.S.
Federally Recognized Tribes!*

Tribal TAB in Alaska

In Partnership with:
the Division of
Community Health
Services - Alaska
Native Tribal Health
Consortium
(ANTHC)



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ANTHC TRP Role:

- *Leading development of online Tribal Brownfields Forum*
 - *Forum using similar framework to LEO Network*
- *Act as ongoing technical assistance hub for Alaska tribes*



The “Law”

CERCLA Section 128(a)(1)(A)(i) lists the four elements of a State or Indian Tribe response program:

Element 1: Timely survey and inventory of brownfield sites.

Congressional Record: “...a system or process to identify the universe of brownfield sites in their tribal lands.”



What is a “Brownfield”?

“brownfield site” means 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.



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*Examples of
Brownfield
Sites*

OLD COMMUNITY DUMP SITES





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TRIBAL AB



OPEN/DUMPS



ABANDONED BUILDINGS



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BURNED
BUILDINGS




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AB

*“Under-
Utilized
Buildings”*



Old Public Health Service/Generator Building – Arctic Village, AK

Abandoned Tanks & Barrels

Anvik



Metlakatla



Prominent odor and distressed vegetation surround three collapsed 80,000 gallon fuel storage tanks.

Metlakatla



AST's, spills, barrels; one area was used for a firing range.

Former Fuel Storage & Dispensing Sites



Former Fuel Storage Area – Hughes, AK



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Current


or

Former

Dump


Sites






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Junk Yard
or
Storage Area



Abandoned Hazardous Waste

01/24/2006

Regulated Hazardous Waste





Drums and Containers of Unknowns





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Meth Labs





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Closed
Cannery





Harbors, Docks & Marinas





*Former
Utilized
Defense
Sites
(FUDs)*



Former Dew Line "White Alice" Sites (North Field)

Abandoned Mines and Mine Operations





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E-
waste
&
Guano



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Contaminated Homes



06/22/2006

Old Public, School and Church Buildings



Storm Damaged Bldg. (effects of Climate Change)



Golovin, AK



Spills & Releases



Today's
Disaster
becomes
Tomorrows
Brownfield?



03.09.2011

Follow up
to an
Emergency
Response
Action?



Related Problems



Safety & Health Hazards

2007/03/27



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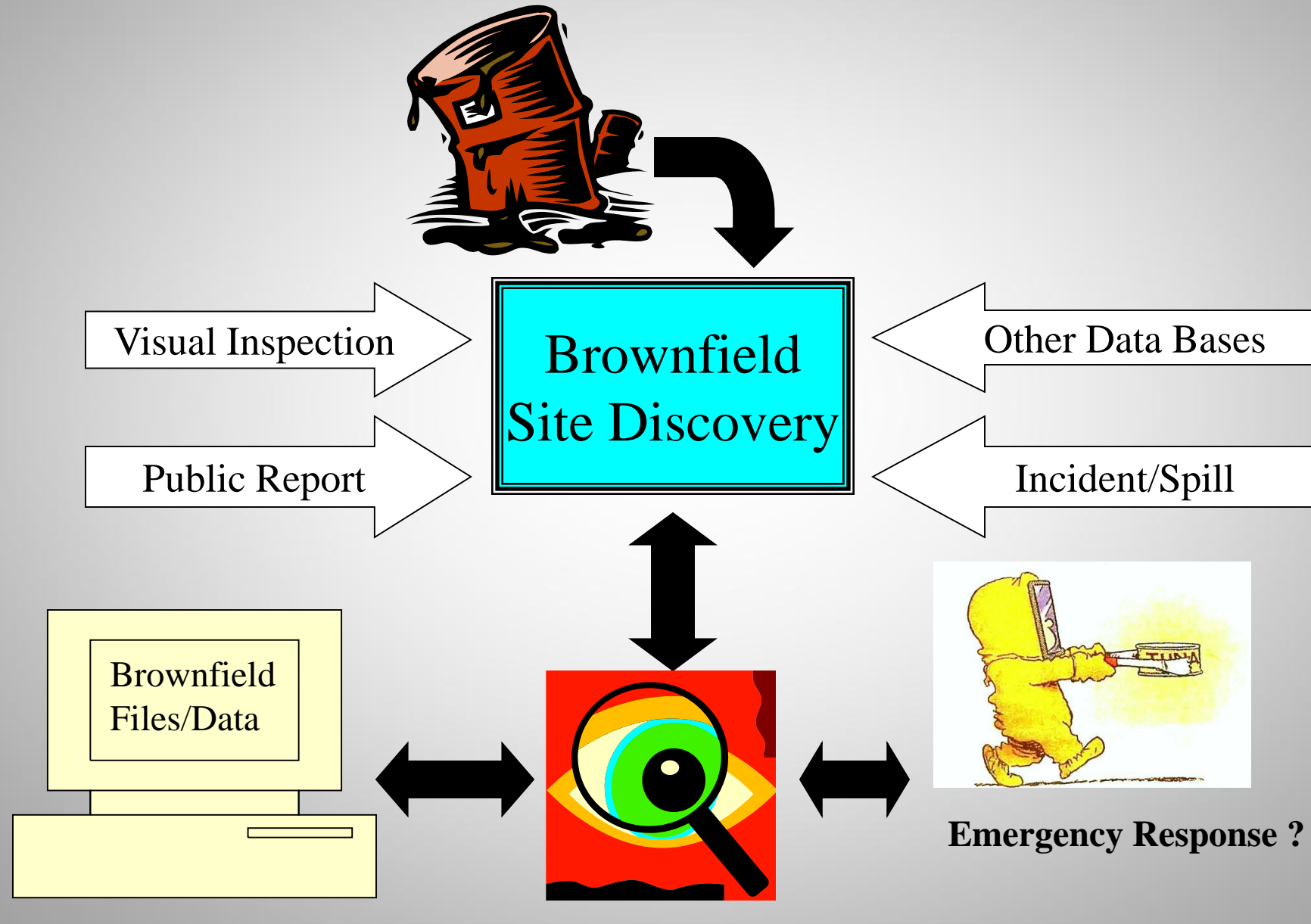


Open Dump Sites an ongoing problem

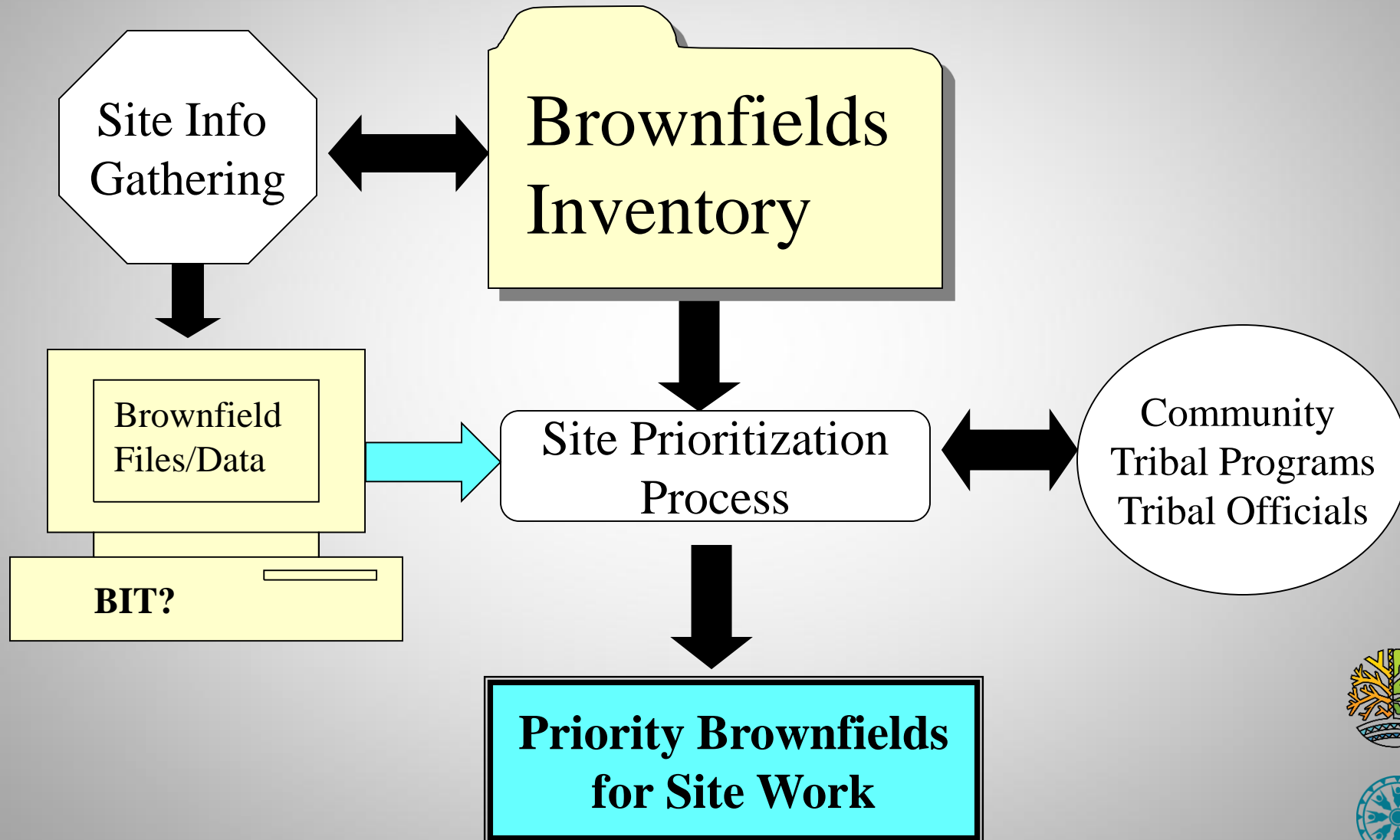


SEP 20 2006

Brownfield Site Discovery & Inventory



Brownfield(s) Site Discovery & Inventory





EPA Guidance

EPA's goal in funding activities under this element is to enable the tribe to establish or enhance a system or process that will provide a reasonable estimate of the number, likely locations, and the general characteristics of brownfields in their jurisdictions.



General Guidelines:

- All tribes are urged to begin the establishment of their brownfield inventory in the first year of the program grant.
- A Tribe may use its own judgment or definition of what is a “brownfield” for the purpose of developing the inventory. EPA will not require states and tribes to submit a “list” of brownfields sites. *WHY?*



General Guidelines:

- At a minimum, the tribe should develop and/or maintain a system or process that can provide a reasonable estimate of the number, likely location, and general characteristics of brownfields sites within their tribal lands.
- Database systems and formats are available
(i.e. Brownfield Inventory Tool “BIT” from Kansas State Univ. TAB)



How Many Brownfields?

The 2002 Congressional Record states: “there are an estimated **450,000 brownfield sites**. (there are 1,303 Superfund NPL sites in 2016)

Therefore:

- 1) No one really knows how many brownfield sites there are across the country, including on the Reservations or other tribal lands; and
- 2) The U. S. EPA Superfund Program does not have the capacity to address all of the brownfields in the country.




Whose Inventory is it?

- *Federal Govt.?*
- *US EPA?*
- *Tribes?*
- *Yours?*
- *States?*



Whose Inventory is it?

- ~~Federal Govt.?~~
- ~~US EPA?~~
- Tribes 
- ~~Yours?~~
- ~~States?~~



Which Brownfields ?

- *On tribal land ?*
- *In tribal jurisdiction or reservation ?*
- *On Federal, Fee or Trust land ?*
- *May Impact tribal land ?*
- *May impact tribal members ?*
- *All of the above ?*



Which Brownfields ?

- *On tribal land*
- *In tribal jurisdiction (or Tribal Corp. ?)*
- *On Fee and Trust land*
- *May Impact tribal land*
- *May impact tribal members*
- *All of the above*





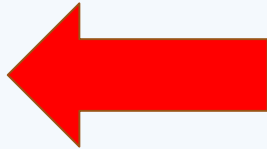
Whose Brownfield Definition Applies?

- *Congress*
- *US EPA*
- *CERCLA Section 101 (39)*
- *State*
- *Webster's Dictionary*
- *Tribe*



Whose Brownfield Definition Applies?

- Congress
- US EPA
- CERCLA Section 101 (39)
- State
- Webster's Dictionary
- Tribe's *



* for inventory purpose only, the EPA definition applies whenever a tribe seeks to use EPA grants funds to do any site specific work such as an assessment or cleanup.



Which Brownfields?

- Identify ALL “Brownfields” within your community or that may impact your community regardless of ownership or land status. The appropriate actions to be taken or resources to be utilized will take those factors into account in consultation with EPA and/or the state.



Inventory vs Public Record

The “Brownfield Inventory” is a list of ALL actual or potential brownfield sites.

The “Public Record” is only a list of sites that have been cleaned up last year or will be cleaned up next year + Institutional Controls in place.

{P.R. to be covered later}



Snow-machines are a winter transportation means.



Two seater Super Cub on floats.



How to inventory Brownfields in Alaska



Skiffs are common transportation during ice free months.



Father and son dog musher at Koliganek.



Sources of Brownfield Info.

- *Interviews* of former workers and maintenance staff of potential brownfields buildings to obtain historical and maintenance information on specific sites.
- *Reports* from community members (verbal, web site, report form)
- Use of tribal GIS and mapping *records*.
- Old photos & maps



Interview Elders (Manokotak, Alaska)



Sources of Brownfields Info.

- Field survey of tribal lands (*go look!*)
- *Reviews* of existing inventories, reports or databases such as:
 - UST/LUST inventories
 - Open Dump Surveys (IHS, EPA, AK-DEC)
 - Abandoned Mine Inventory (states/USGS)
- Insurance maps
- Old topographic and soil survey maps and aerial photos



Sources of Brownfield Info.

- RCRA treatment, storage & disposal facility *lists*
- US EPA CERCLA/Superfund PA & RI/FS Reports
- Oil & gas well & mine site *inventories*
(BLM, USGS, AK-DEC, etc.)
- State or near-by borough/community brownfield inventories (other grantees)
- *Interviews* of federal agencies (BIA, USGS, BLM, DOD, etc.)

Unique Resource Needs?





Resources Needed

*Note: Inform the EPA if you have **unique resource needs** to conduct the inventory and gather information such as equipment and costs to access remote areas and/or seasonal limitations so that these can be accounted for in the grant budget and work plan.*

Acquiring or Buying Properties?

Work with the tribal economic development or real estate office to assist in **screening properties** that the tribe may be considering acquiring for potential contamination issues to prevent tribal acquisition of a “Brownfield” unknowingly. (conduct “A.A.I.”)



Brownfield Inventory Format

Your Choice:

- Simple List or Spread Sheet
- Detailed Checklist
- Your Own Database
- Other Database
- KSU Brownfield Inventory Tool (BIT)

Basic Inventory List

[illegible]



Brownfield Inventory BIT Data Formats:

- Tablet Version
- APP Version

then download into BIT

BROWNFIELD INVENTORY - SITE DETAILS		
SITE NAME: <input type="text"/>		Site No. <input type="text"/>
SITE TYPE		
<input type="checkbox"/> Mine Scarred Land	<input type="checkbox"/> Illegal Dumping Area	<input type="checkbox"/> Petroleum Site
<input type="checkbox"/> Mining	<input type="checkbox"/> Dump/Landfill	<input type="checkbox"/> Mixed Use
<input type="checkbox"/> Junk Yard	<input type="checkbox"/> Wood Treater	<input type="checkbox"/> Meth Lab
<input type="checkbox"/> Water	<input type="checkbox"/> Disposal	<input type="checkbox"/> (blank)
<input type="checkbox"/> Industrial Site	<input type="checkbox"/> UST	<input type="checkbox"/> (blank)
<input type="checkbox"/> Vacant	<input type="checkbox"/> Building/Structure	<input type="checkbox"/> Other (use comment field)
Address/Location		
Street Address/PO Box <input type="text"/>		
City/Community <input type="text"/>	County <input type="text"/>	State <input type="text"/>
Zip Code <input type="text"/>	Reservation District <input type="text"/>	
Directions to the Site: <input type="text"/>		
Site Data		
Parcel/Allotment No. <input type="text"/>	Site Size (acres) <input type="text"/>	Zoning: <input type="text"/>
Lat./Long. Ref. Point <input type="text"/>	Horz. Collection Method <input type="text"/>	
Lat. <input type="text"/>	Map Scale -Collection Method <input type="text"/>	
Long. <input type="text"/>	Horz. Ref. Datum <input type="text"/>	
Legal Description		
Part of Section <input type="text"/>	Current Land Status	
Section <input type="text"/>	<input type="checkbox"/> Trust	Date Trust Status: <input type="text"/>
Range <input type="text"/>	<input type="checkbox"/> Allotted	
Township <input type="text"/>	<input type="checkbox"/> Fee	
Principal Meridian <input type="text"/>	<input type="checkbox"/> Off-Reservation	
	<input type="checkbox"/> Other (describe in comments)	
	Agency <input type="text"/>	
Current Site Use(s): <input type="checkbox"/> Green Space <input type="checkbox"/> Pasture <input type="checkbox"/> Agriculture <input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Federal Govt.		
Current Site Use Description:	<input type="text"/>	



KSU “Brownfield Inventory Tool” (BIT)

Go To: Kansas State Univ. (KSU)

*Technical Assistance to Brownfields (TAB) web
site: <http://tab-bit.org/>*

*Contact ANTHC or KSU-TAB for access, training
and assistance.*



Next Step?

Prioritizing Sites for “Site Specific Work”



Prioritization of Sites

Inventories should be developed in direct coordination with communities; and

Evolve to a prioritization of sites based on community needs, planning priorities, and protection of human health and the environment.



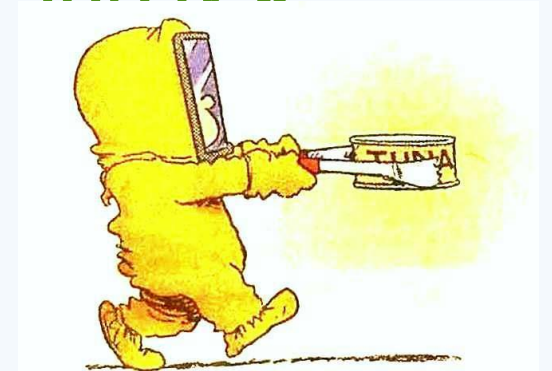
Tribal Priorities:

- Immediate threats to public health;*
- Immediate threats to the environment;*
- Long term threats to public health or the environment;*
- Impacts on cultural resources;*
- Impacts on the local economy;*
- Impacts on long term economic development;*
- Impacts on the local quality of life.*

[illegible]

Then What?

The information obtained through the inventory process can facilitate the EPA approval process for *Site Specific Work* later: Assessments & Cleanups*



*sometimes an Emergency Response Action!



Tribal Accomplishments

- *Many sites inventoried*
- *some inventories listed on tribal web sites*
- *Gaining experience in recognizing sites and releases*
- *More input on past sites from elders and community members*
- *More detailed site information gathering
(pre-phase I/II & BIA Trust applications)*



Tribal Issues

- *Property and site records difficult to find or incomplete*
- *Site ownership, leases, status & history unclear (also multiple owners)*
- *Jurisdictions not clear*
- *Party responsible for contaminants not clear*



Resources:

- ❖ Use the “*Brownfield Forum*” to seek answers to questions and advice of other tribes and/or KSU staff. The Tribal Brownfields Forum is an online platform for connecting brownfields and contaminated-sites staff and professionals from Tribal areas: www.tribalbrownfields.org
- ❖ ANTHC & KSU TAB Assistance to Tribes: No application process, just contact us! www.ksutab.org
- ❖ Annual EPA 128(a) Program Guidance



TAB Assistance to Alaska Tribes: Contacts

❖ Joy Britt


ANTHC TRP Program Manager

jdbritt@anthc.org or (907) 729-5630

❖ Bailey Richards

ANTHC TRP Program Assistant

bkrichards@anthc.org or (907) 729-4008



END Element 1: Brownfield Inventory

Module 1-3

