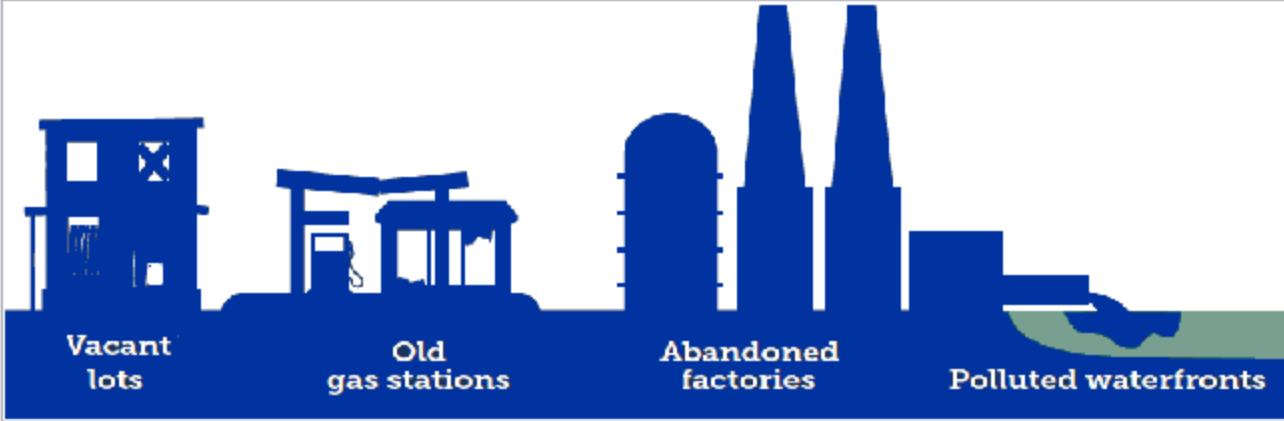


# Tour Guide for the ATSDR Land Reuse Site Screening Tool

ATSDR Land Reuse Site Screening Tool

## ATSDR Land Reuse Site Screening Tool


*This tool provides two functions: 1) searchable inventory and 2) compares environmental sampling data to health comparison values.*



**Vacant lots**      **Old gas stations**      **Abandoned factories**      **Polluted waterfronts**

- Enter, View, Query, or Print Site Data
- Import data from another version
- Import inventory data from a spreadsheet
- Exit**

version: 02March2017. NOTE: Exposure doses will no longer be calculated with this tool.



March 2017

# Who We Are - ATSDR

- ❑ ATSDR is a federal public health agency of the U.S. Department of Health and Human Services.
- ❑ Our goal is to safeguard and protect health by preventing exposures to toxic substances.
- ❑ Our Land Reuse Health Program integrates public health principles into redevelopment.

# Land Reuse Site Screening Tool

- ❑ Provides customizable and searchable Land Reuse Site inventory
- ❑ Allows for rapid site assessment
- ❑ Easy to use
- ❑ Use site information to assess public health involvement
- ❑ Requires Microsoft® Access® (1997 or later)

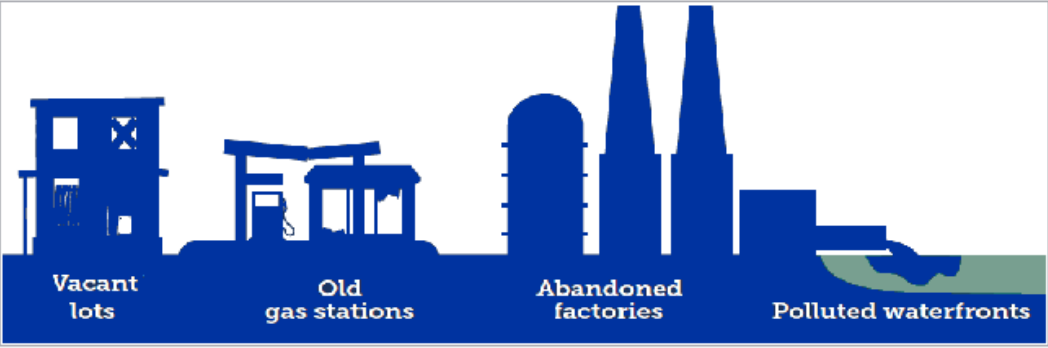
# Land Reuse Site Screening Tool

This tool is a searchable inventory and rapid site screening tool that evaluates multiple chemicals for exceedances of ATSDR Health Comparison Values. This tool allows users to assess sites by past/future use, institutional controls, sensitive populations, and suspected or confirmed contamination.

ATSDR Land Reuse Site Screening Tool

## ATSDR Land Reuse Site Screening Tool


*This tool provides two functions: 1) searchable inventory and 2) compares environmental sampling data to health comparison values.*



Vacant lots      Old gas stations      Abandoned factories      Polluted waterfronts

- Enter, View, Query, or Print Site Data
- Import data from another version
- Import inventory data from a spreadsheet
- Exit

version: 02March2017. NOTE: Exposure doses will no longer be calculated with this tool.



# Land Reuse Site Screening Tool- Features

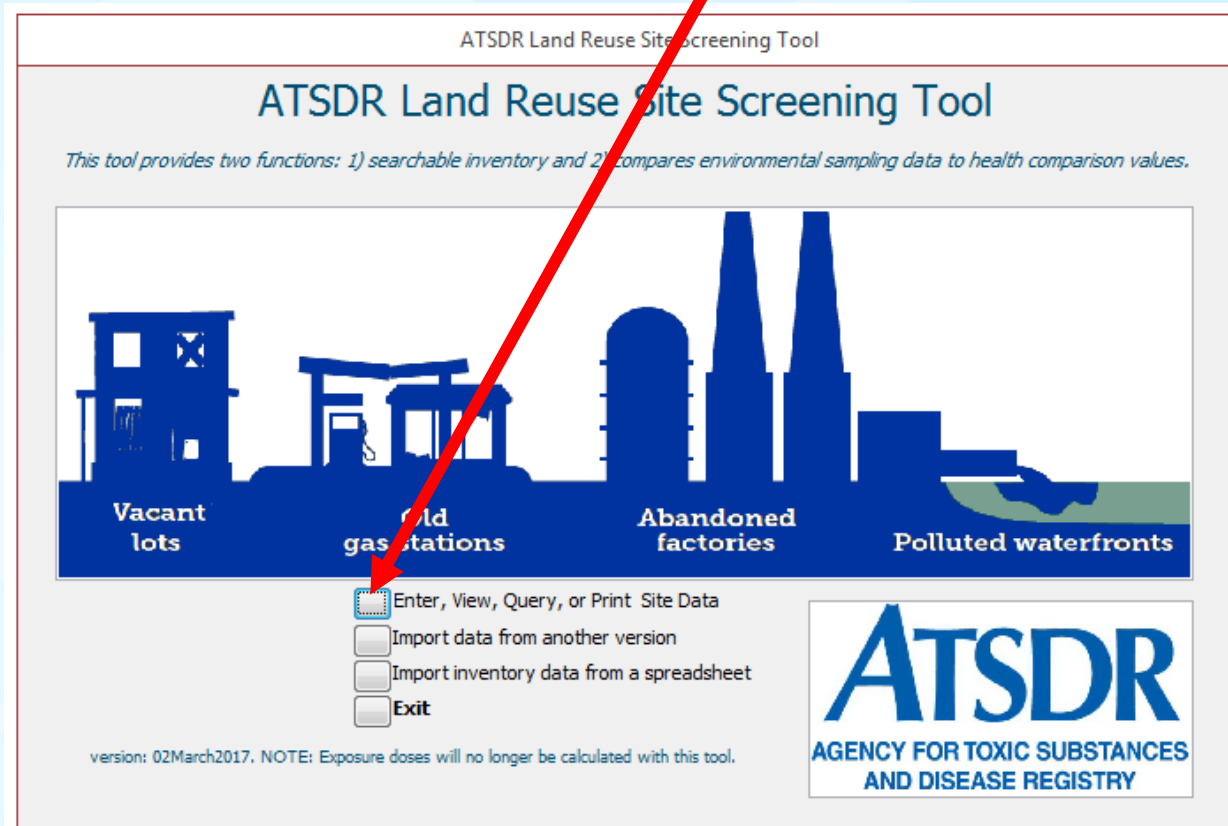
- ❑ Stores records for public inquiry of sites
- ❑ Enables users to quickly respond to inquiries
- ❑ Catalogues institutional controls, health concerns, violations, spills, contaminants, and emergency response events related to the property
- ❑ Provides a “How To” guide to conduct a site visit

# Land Reuse Site Screening Tool- Features (continued)

- ❑ Evaluates analytical data (for exceedances of ATSDR Health Comparison Values) using the maximum detected values
- ❑ Import and process laboratory data (10,000 data points per minute throughput)
- ❑ Provides a site document repository, allowing attachment of site photographs, diagrams, reports, and other electronic files for rapid retrieval

# Land Reuse Site Screening Tool

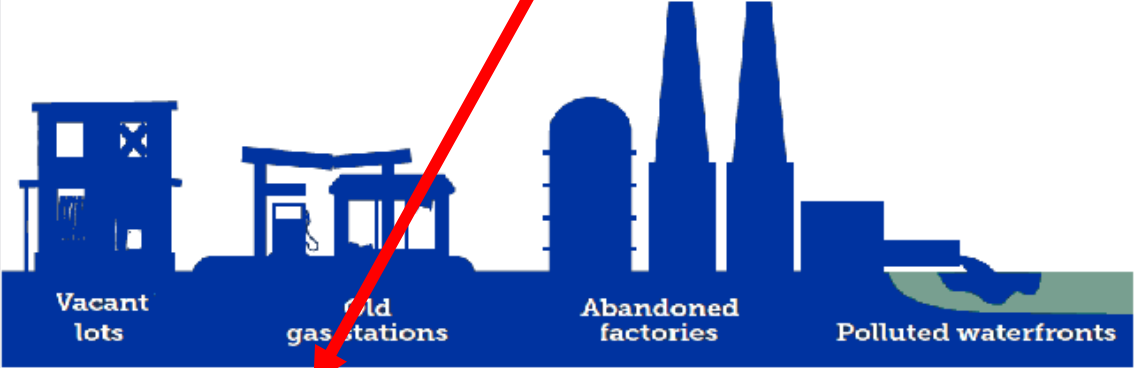
Start by clicking on the button labeled “Enter, View, Query, or Print Site Data.”



ATSDR Land Reuse Site Screening Tool

## ATSDR Land Reuse Site Screening Tool

*This tool provides two functions: 1) searchable inventory and 2) compares environmental sampling data to health comparison values.*



Vacant lots      Old gas stations      Abandoned factories      Polluted waterfronts

- Enter, View, Query, or Print Site Data
- Import data from another version
- Import inventory data from a spreadsheet
- Exit

version: 02March2017. NOTE: Exposure doses will no longer be calculated with this tool.

**ATSDR**  
AGENCY FOR TOXIC SUBSTANCES  
AND DISEASE REGISTRY

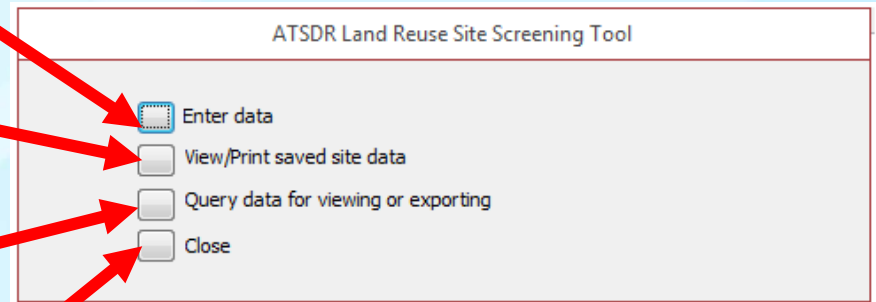
# Land Reuse Site Screening Tool

Click here to enter new site data.

Click here to View or Print saved data.

Click here to Query data for viewing or exporting as a CSV file.

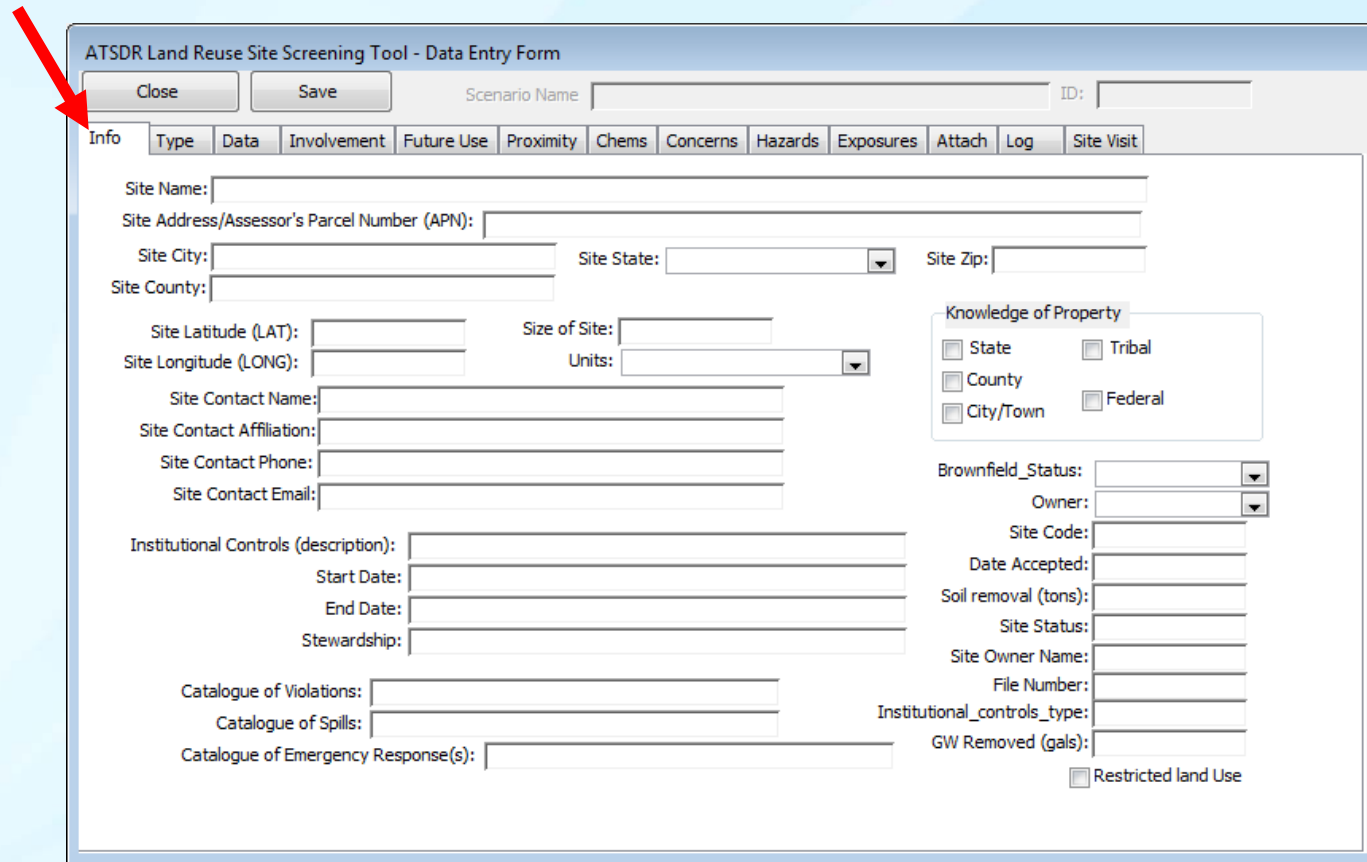
Click here to close the dialog box.





# Land Reuse Site Screening Tool

The information for each site is entered on a series of 13 screens. The screens are also known as “pages.” The first page contains information related to “Site Information.” Enter the site information, then click on the name of the next “page.”



ATSDR Land Reuse Site Screening Tool - Data Entry Form

Close Save Scenario Name ID:

Info Type Data Involvement Future Use Proximity Chems Concerns Hazards Exposures Attach Log Site Visit

Site Name: Site Address/Assessor's Parcel Number (APN): Site City: Site State: Site Zip: Site County:

Site Latitude (LAT): Site Longitude (LONG): Site Contact Name: Site Contact Affiliation: Site Contact Phone: Site Contact Email:

Institutional Controls (description): Start Date: End Date: Stewardship:

Catalogue of Violations: Catalogue of Spills: Catalogue of Emergency Response(s):

Knowledge of Property:  State  Tribal  County  City/Town  Federal

Brownfield\_Status: Owner: Site Code: Date Accepted: Soil removal (tons): Site Status: Site Owner Name: File Number: Institutional\_controls\_type: GW Removed (gals):  Restricted land Use

Size of Site: Units:

# Land Reuse Site Screening Tool

Enter “Past type(s),” “Current Uses,” and “Adjacent Site(s)” information. Select from the list and add to the box to the right.

ATSD Land Reuse Site Screening Tool - Data Entry Form

Close Save Scenario Name ID:

Info Type Data Involvement Future Use Proximity Chems Concerns Hazards Exposures Attach Log Site Visit

Past Use(s) Site Type lookup list (press enter after you enter a new type) Past Use(s)

Former Industrial Manufacturing Site  
Former Industrial Manufacturing Site  
Hospital  
Illegal Dumping  
Incinerator  
Lagoon/Ponds/Impoundments  
Landfill/Junkyard/Dump  
Leaking Underground Storage Tank (LUST / UST)  
Light Bulb Mfg  
Livestock Confinement Operations (CAFO)  
Mall  
Meth Lab  
Military  
Military Equipment  
Mill  
Mining  
Mixed Use (Residential/Commercial)  
Municipal  
Municipal Offices  
Municipal Wells  
Munitions

Coal Gasification

Select from list, or enter a new value then press enter.

remove <<

Current Use(s) Current Use(s)

Dry Cleaners

add >>

remove <<

Adjacent Site(s) Adjacent Site(s)

Hospital

add >>

remove <<

# Land Reuse Site Screening Tool

Enter information on this page labeled “Data,” then click the next “page.”  
If you will be importing analytical data, save the site data first and provide a “scenario name.”

ATSDR Land Reuse Site Screening Tool - Data Entry Form

Close Save Scenario Name: \_\_\_\_\_ ID: \_\_\_\_\_

Info Type **Data** Involvement Future Use Proximity Chems Concerns Hazards Exposures Attach Log Site Visit

Data From Various Media

- Air
- Biota
- Soil
- Well Data
- Vapor Intrusion (soil gas)
- Food data
- Sediment data
- Product Container

Reports Available

- City Historical Reports
- Emergency Response
- Phase One Environmental Site Assessment
- Phase Two (sampling data) Environmental Site Assessment
- Removal Action Memo
- Pollution Report (POLREP)

Data Available (other): \_\_\_\_\_

Inventory Conducted Date Inventory Conducted: \_\_\_\_\_

Buildings on Site Construction Date of the Building(s): \_\_\_\_\_

Subsistence Activities Observed on Site

Subsistence Resources Affected \_\_\_\_\_

Community Plan Available Community Plan (year): \_\_\_\_\_

Name of Interviewer: \_\_\_\_\_ Name of People Interviewed: \_\_\_\_\_

Contamination S \_\_\_\_\_

Local Resources Available to Assist: \_\_\_\_\_

Add Data To Scenario

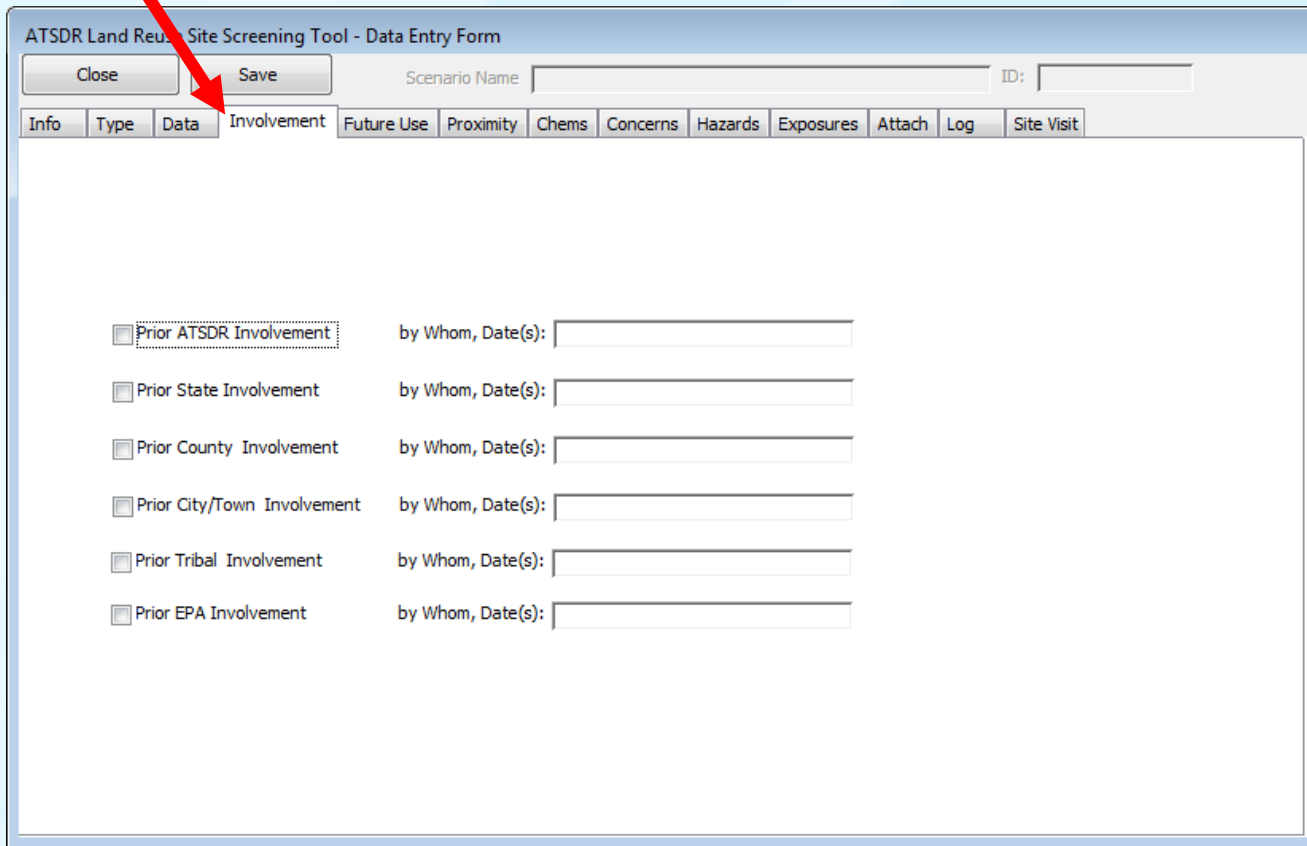
ATSDR Land Reuse Site Screening Tool

Please save the scenario before adding data.

OK

# Land Reuse Site Screening Tool

Enter information on this page labeled “Involvement,” then click the next “page.”



ATSDR Land Reuse Site Screening Tool - Data Entry Form

Close Save Scenario Name: \_\_\_\_\_ ID: \_\_\_\_\_

Info Type Data **Involvement** Future Use Proximity Chems Concerns Hazards Exposures Attach Log Site Visit

Prior ATSDR Involvement by Whom, Date(s): \_\_\_\_\_

Prior State Involvement by Whom, Date(s): \_\_\_\_\_

Prior County Involvement by Whom, Date(s): \_\_\_\_\_

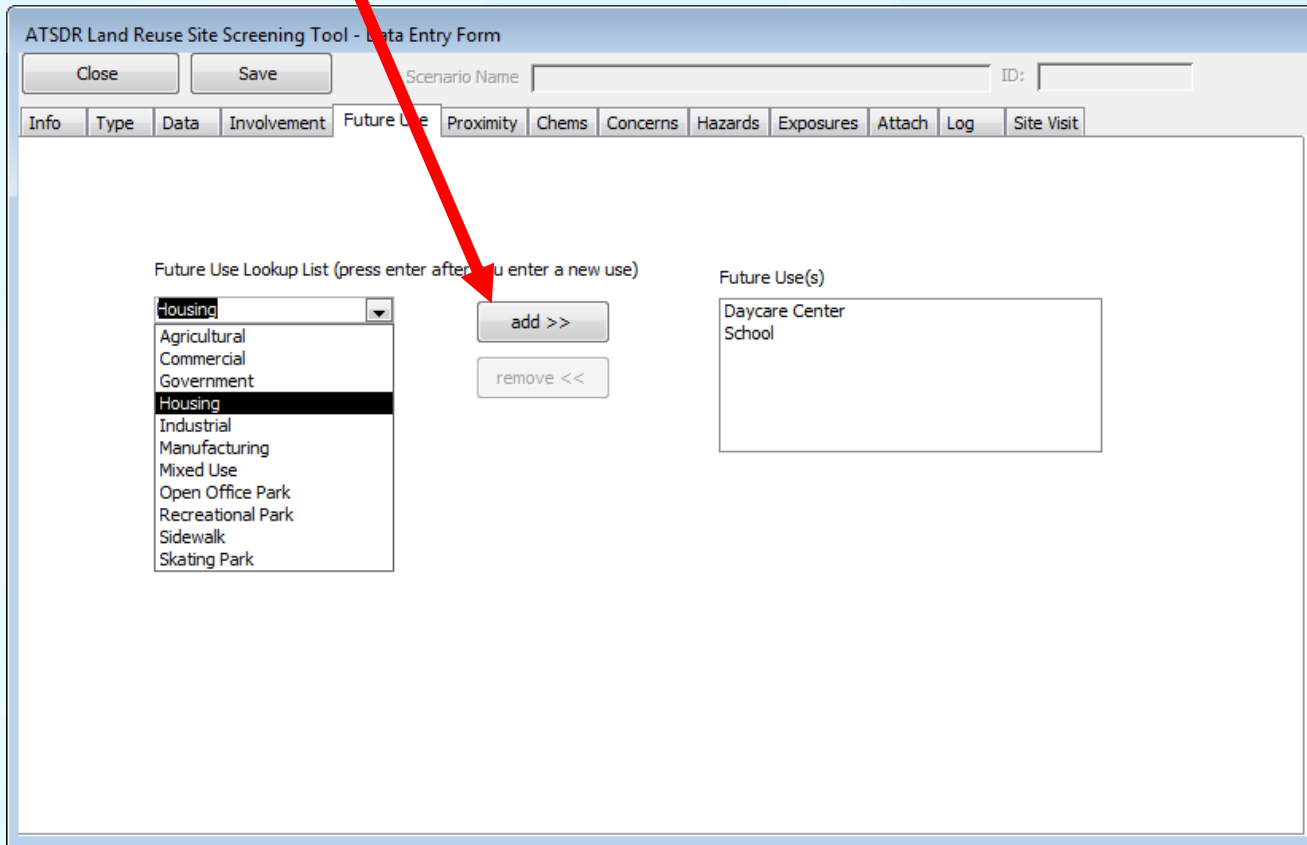
Prior City/Town Involvement by Whom, Date(s): \_\_\_\_\_

Prior Tribal Involvement by Whom, Date(s): \_\_\_\_\_

Prior EPA Involvement by Whom, Date(s): \_\_\_\_\_

# Land Reuse Site Screening Tool

Enter “Future Use” information. Select from the list and add to the box to the right.



ATSDR Land Reuse Site Screening Tool - Data Entry Form

Close Save Scenario Name ID:

Info Type Data Involvement **Future Use** Proximity Chems Concerns Hazards Exposures Attach Log Site Visit

Future Use Lookup List (press enter after you enter a new use)

- Housing
- Agricultural
- Commercial
- Government
- Housing**
- Industrial
- Manufacturing
- Mixed Use
- Open Office Park
- Recreational Park
- Sidewalk
- Skating Park

add >>

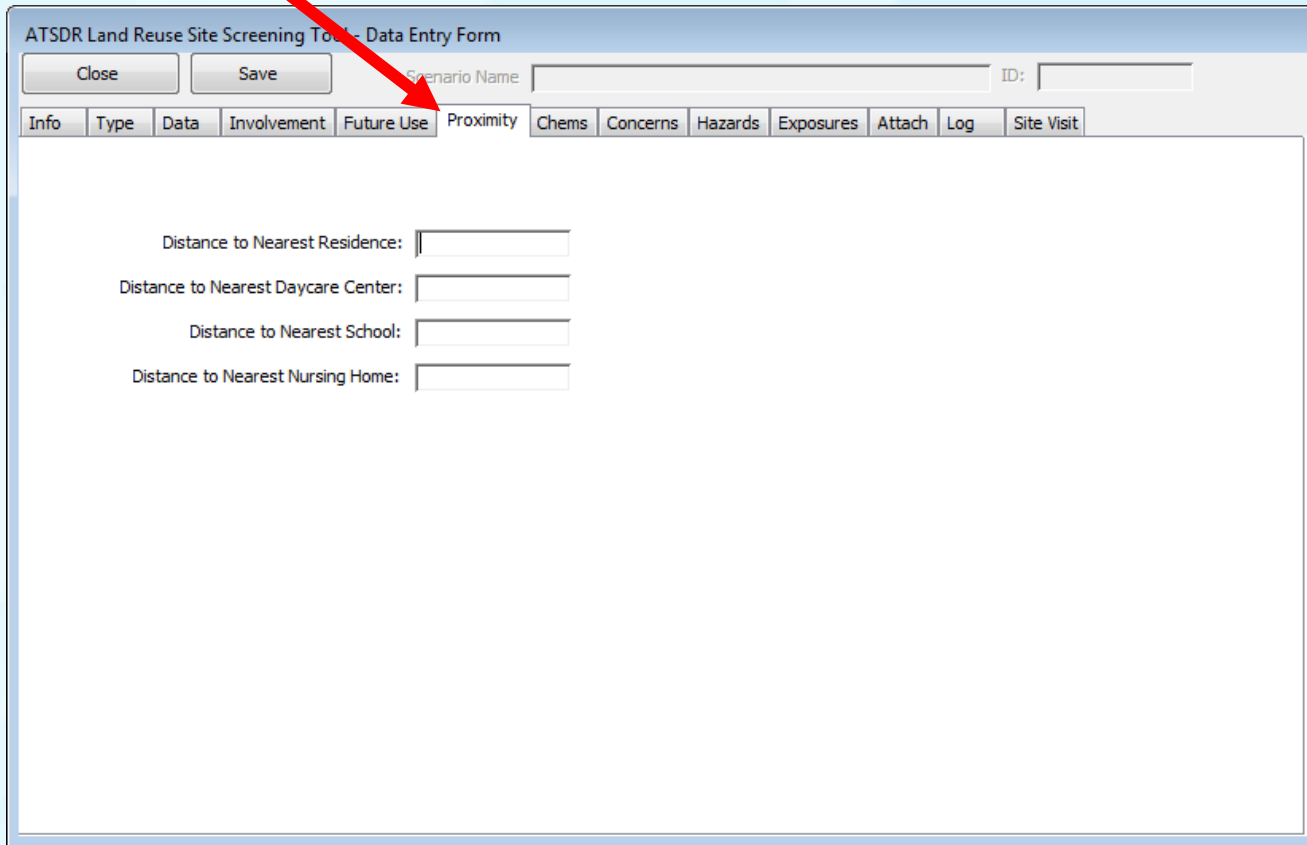
remove <<

Future Use(s)

Daycare Center  
School

# Land Reuse Site Screening Tool

Enter information on this page labeled “Proximity,” then click the next “page.”



ATSDR Land Reuse Site Screening Tool - Data Entry Form

Close Save Scenario Name  ID:

Info Type Data Involvement **Future Use** Proximity Chems Concerns Hazards Exposures Attach Log Site Visit

Distance to Nearest Residence:

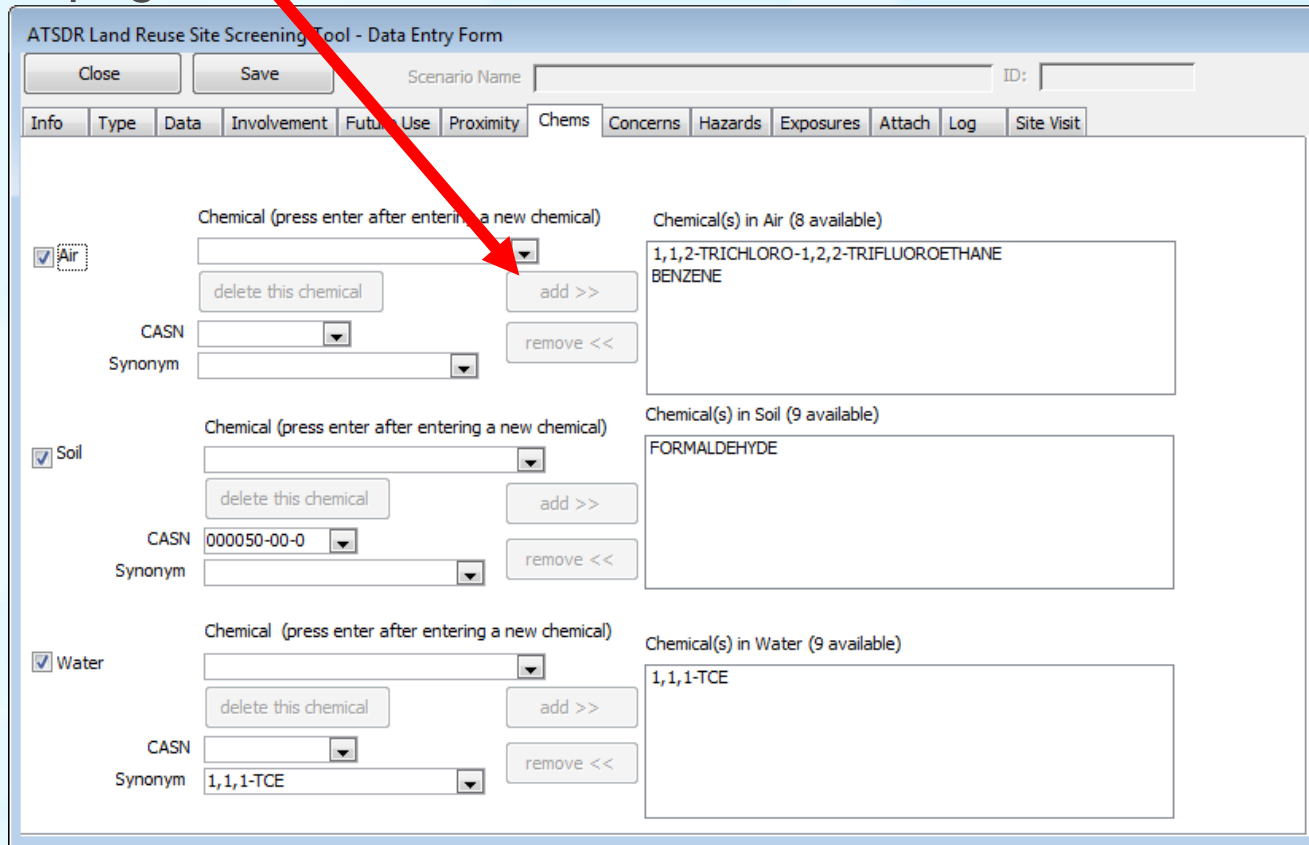
Distance to Nearest Daycare Center:

Distance to Nearest School:

Distance to Nearest Nursing Home:

# Land Reuse Site Screening Tool

The information on this page is descriptive. Only chemical names (up to 10) will be saved. Select the chemical name, then click “add>>” to add it to the site information to be saved. Analytical data can only be imported on the “Data” page.



ATSDR Land Reuse Site Screening Tool - Data Entry Form

Close Save Scenario Name ID:

Info Type Data Involvement Future Use Proximity Chems Concerns Hazards Exposures Attach Log Site Visit

Air

Chemical (press enter after entering a new chemical)

delete this chemical add >>

CASN remove <<

Synonym

Chemical(s) in Air (8 available)

1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE  
BENZENE

Soil

Chemical (press enter after entering a new chemical)

delete this chemical add >>

CASN 000050-00-0 remove <<

Synonym

Chemical(s) in Soil (9 available)

FORMALDEHYDE

Water

Chemical (press enter after entering a new chemical)

delete this chemical add >>

CASN remove <<

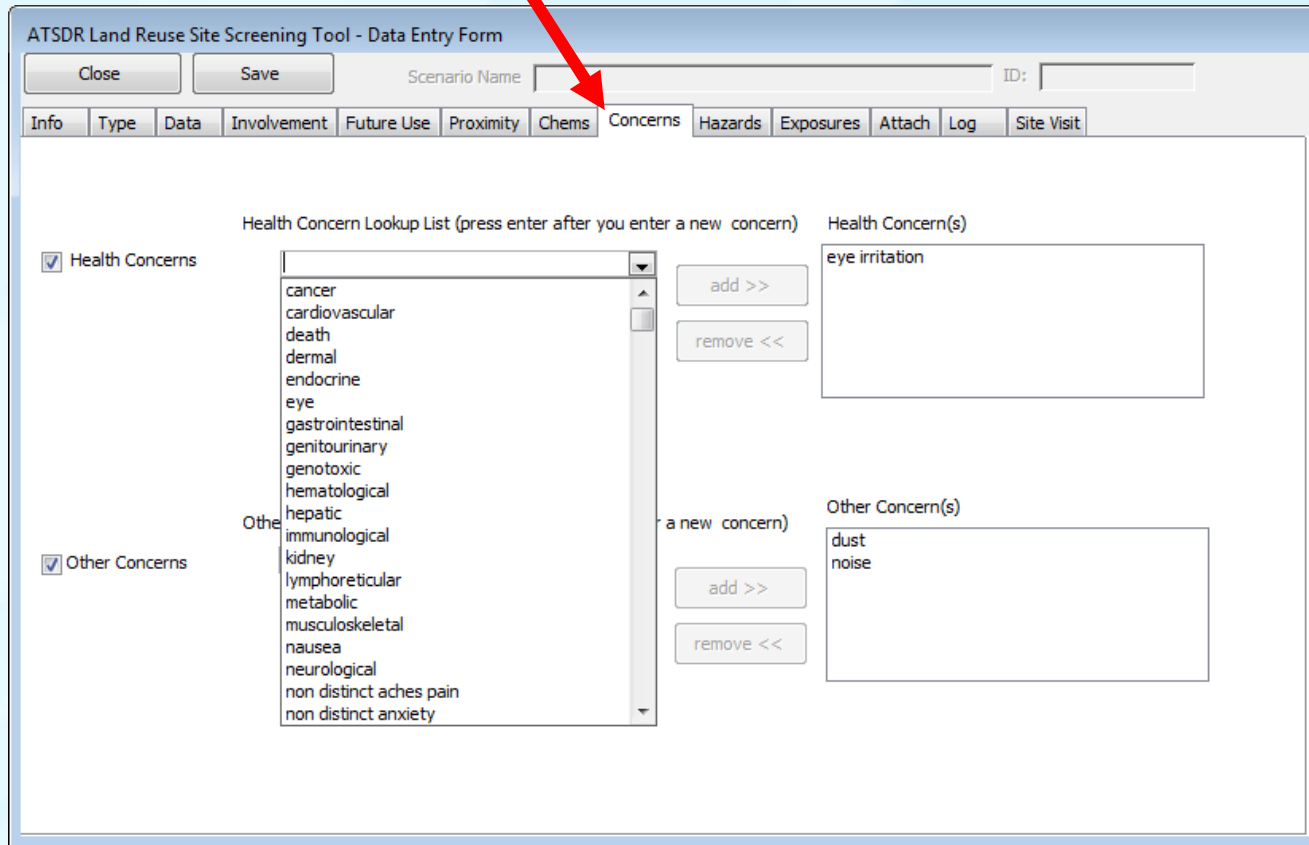
Synonym 1,1,1-TCE

Chemical(s) in Water (9 available)

1,1,1-TCE

# Land Reuse Site Screening Tool

Enter health and other concerns by selecting from the list and clicking “add>>.”



The screenshot shows the ATSDR Land Reuse Site Screening Tool - Data Entry Form. The window title is "ATSDR Land Reuse Site Screening Tool - Data Entry Form". At the top, there are buttons for "Close" and "Save", followed by a "Scenario Name" field and an "ID:" field. Below this is a tabbed interface with tabs for "Info", "Type", "Data", "Involvement", "Future Use", "Proximity", "Chems", "Concerns", "Hazards", "Exposures", "Attach", "Log", and "Site Visit". The "Concerns" tab is selected. On the left, there are two checkboxes: "Health Concerns" (checked) and "Other Concerns" (checked). In the center, there is a "Health Concern Lookup List (press enter after you enter a new concern)" which is a scrollable list containing the following items: cancer, cardiovascular, death, dermal, endocrine, eye, gastrointestinal, genitourinary, genotoxic, hematological, hepatic, immunological, kidney, lymphoreticular, metabolic, musculoskeletal, nausea, neurological, non distinct aches pain, and non distinct anxiety. To the right of this list are two buttons: "add >>" and "remove <<". Below the list, there is a text input field labeled "a new concern" with its own "add >>" and "remove <<" buttons. On the right side of the form, there are two text input fields: "Health Concern(s)" containing "eye irritation" and "Other Concern(s)" containing "dust" and "noise". A red arrow points from the text above to the "Scenario Name" field.



# Land Reuse Site Screening Tool

Enter information on this page labeled “Hazards,” then click the next “page.” The hazards are entered by selecting from the list and clicking “add>>.”

ATSDR Land Reuse Site Screening Tool - Data Entry Form

Close Save Scenario Name ID:

Info Type Data Involvement Future Use Proximity Chems Concerns Hazards Exposures Attach Log Site Visit

Hazards Lookup List (press enter after entering a new hazard)

- above ground storage tanks
- asbestos containing materials**
- batteries
- biohazards
- compressed gas cylinders
- dioxin
- drug lab waste
- lagoons
- light fixtures (Hg)
- other metals
- paint
- pesticides
- petroleum
- polycyclic aromatic hydrocarbons (PAH)
- radioactive waste
- tailing piles
- tires
- trash piles
- underground storage tank (UST)
- unexploded ordnance (UXO)

add >>

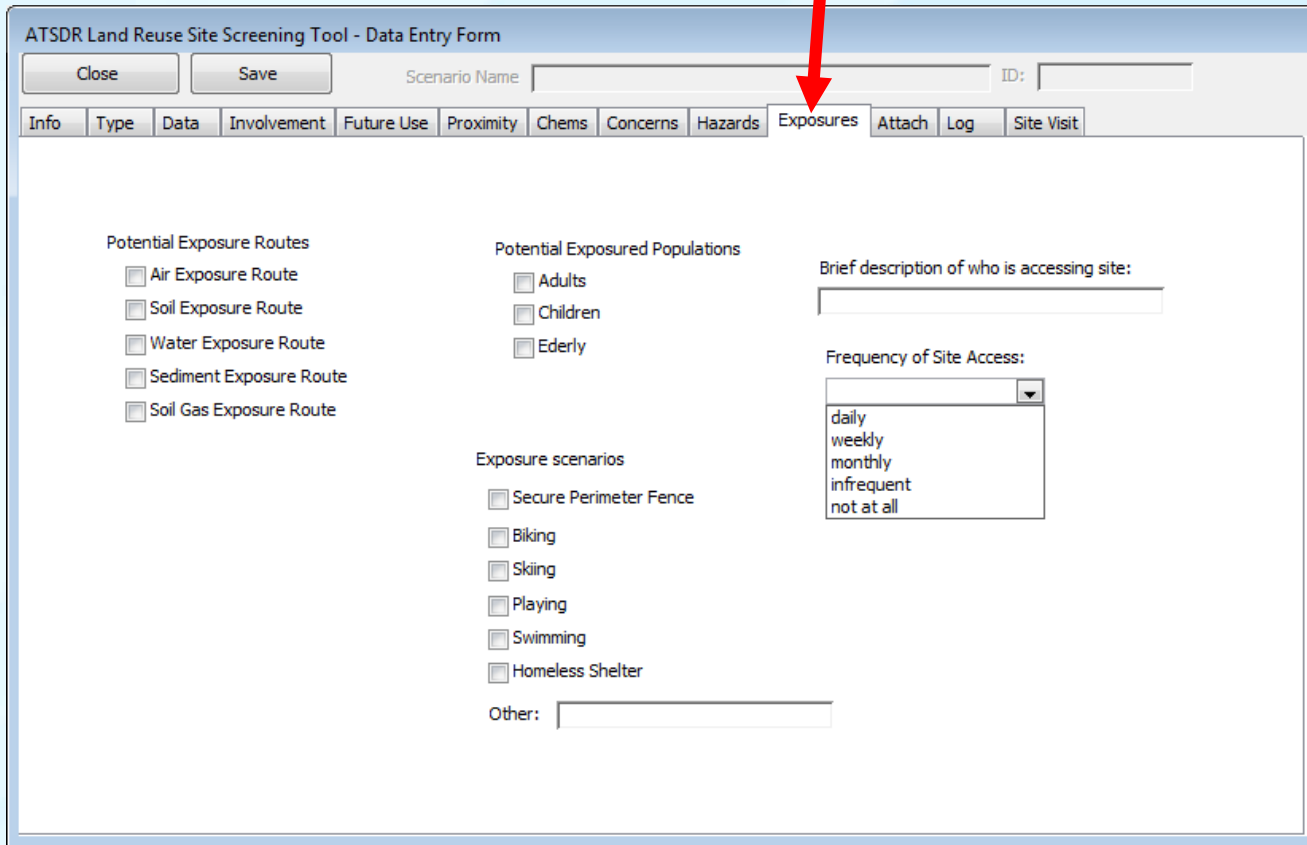
remove <<

Hazards on Site

- 55-gallon drums
- debris
- transformers

# Land Reuse Site Screening Tool

Enter information on this page labeled “Exposure,” then click on the tab labeled “Attach.”



ATSDR Land Reuse Site Screening Tool - Data Entry Form

Close Save Scenario Name  ID:

Info Type Data Involvement Future Use Proximity Chems Concerns Hazards **Exposures** Attach Log Site Visit

Potential Exposure Routes

- Air Exposure Route
- Soil Exposure Route
- Water Exposure Route
- Sediment Exposure Route
- Soil Gas Exposure Route

Potential Exposed Populations

- Adults
- Children
- Elderly

Brief description of who is accessing site:

Frequency of Site Access:

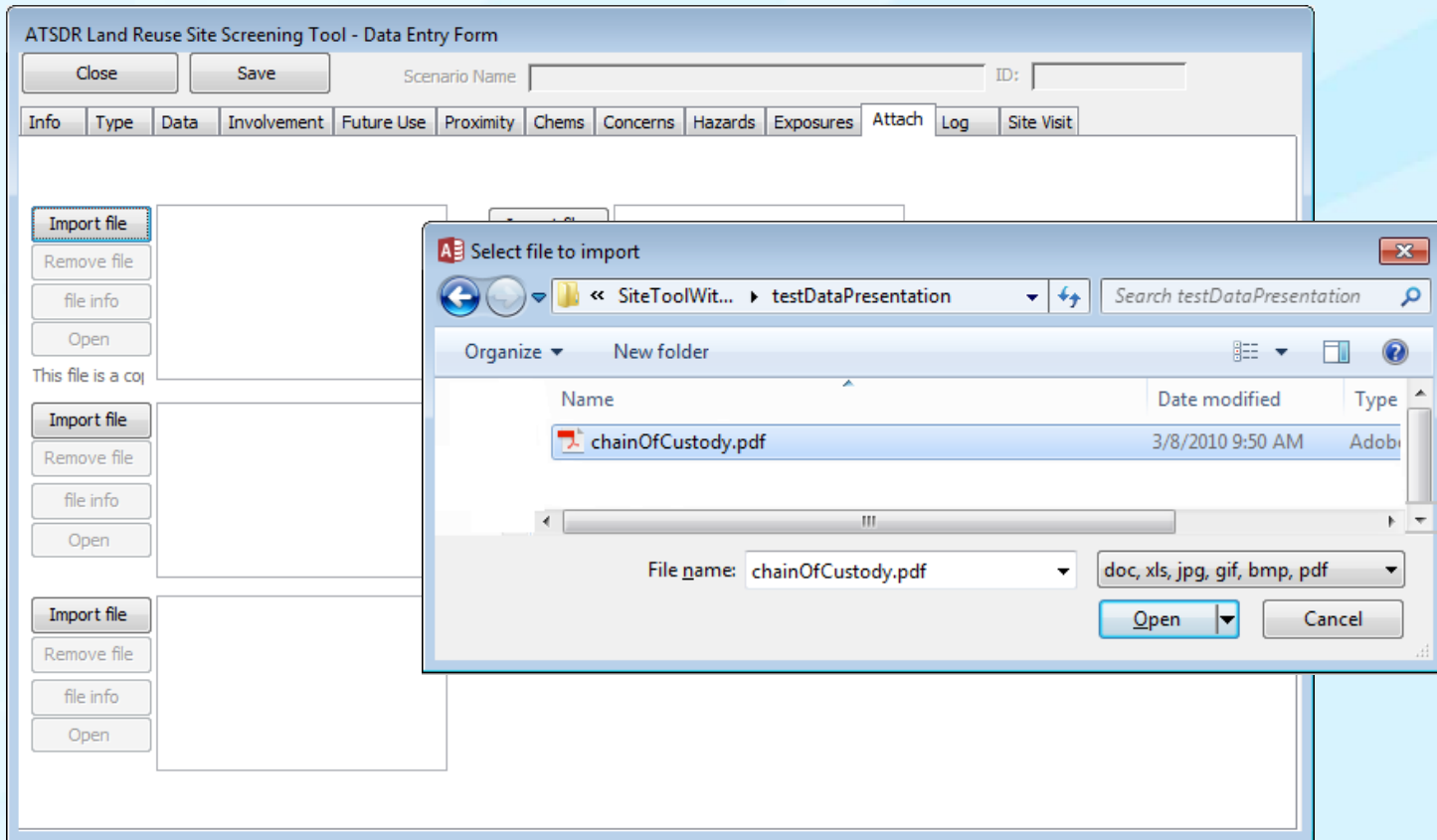
Exposure scenarios

- Secure Perimeter Fence
- Biking
- Skiing
- Playing
- Swimming
- Homeless Shelter

Other:

# Land Reuse Site Screening Tool

You may attach up to 5 files (documents, spreadsheets, image files, or PDF files).



# Land Reuse Site Screening Tool

Enter additional information about the site here. The text may be entered from the keyboard or pasted from another program (all formatting such as underlined, **bold**, *italics*, etc., will be lost).

ATSDR Land Reuse Site Screening Tool - Data Entry Form

Close Save Scenario Name ID:

Info Type Data Involvement Future Use Proximity Chems Concerns Hazards Exposures Attach Log Site Visit

Inquiries About Site:

Cut Copy Paste Insert Merge/Split Delete Change To Form Properties

Right-click the mouse to bring up the paste dialog box. Then select Paste.

# Land Reuse Site Screening Tool

Site visit information (if available) is entered on this page and sub-pages.

The screenshot displays the 'ATSDR Land Reuse Site Screening Tool Data Entry Form'. At the top, there are 'Close' and 'Save' buttons, followed by input fields for 'Site Name' and 'ID:'. Below this is a navigation bar with tabs: 'Info', 'Type', 'Data', 'Involvement', 'Future Use', 'Proximity', 'Chems', 'Concerns', 'Hazards', 'Exposures', 'Attach', 'Log', and 'Site Visit'. The 'Site Visit' tab is active. A checkbox labeled 'Enter Site Visit Data' is checked. The main content area is titled 'Site Visit Information' and contains a sub-navigation bar with tabs: 'Status', 'Physical Hazard/ Water', 'Distances', 'Sensitive Populations', 'Contact Info', 'Community', and 'Other Observations'. Under the 'Status' tab, there is a list of checkboxes: 'Active', 'Inactive', 'Abandoned', 'Residential', 'Commercial', 'Agricultural', and 'Industrial'. Red arrows originate from the 'Enter Site Visit Data' checkbox and point to each of the seven sub-section tabs in the 'Site Visit Information' section.

# Land Reuse Site Screening Tool

Site Visit sub-pages: Physical Hazard/Water.

ATSDR Land Reuse Site Screening Tool - Data Entry Form

Close Save Scenario Name ID:

Info Type Data Involvement Future Use Proximity Chems Concerns Hazards Exposures Attach Log Site Visit

Enter Site Visit Data

### Site Visit Information

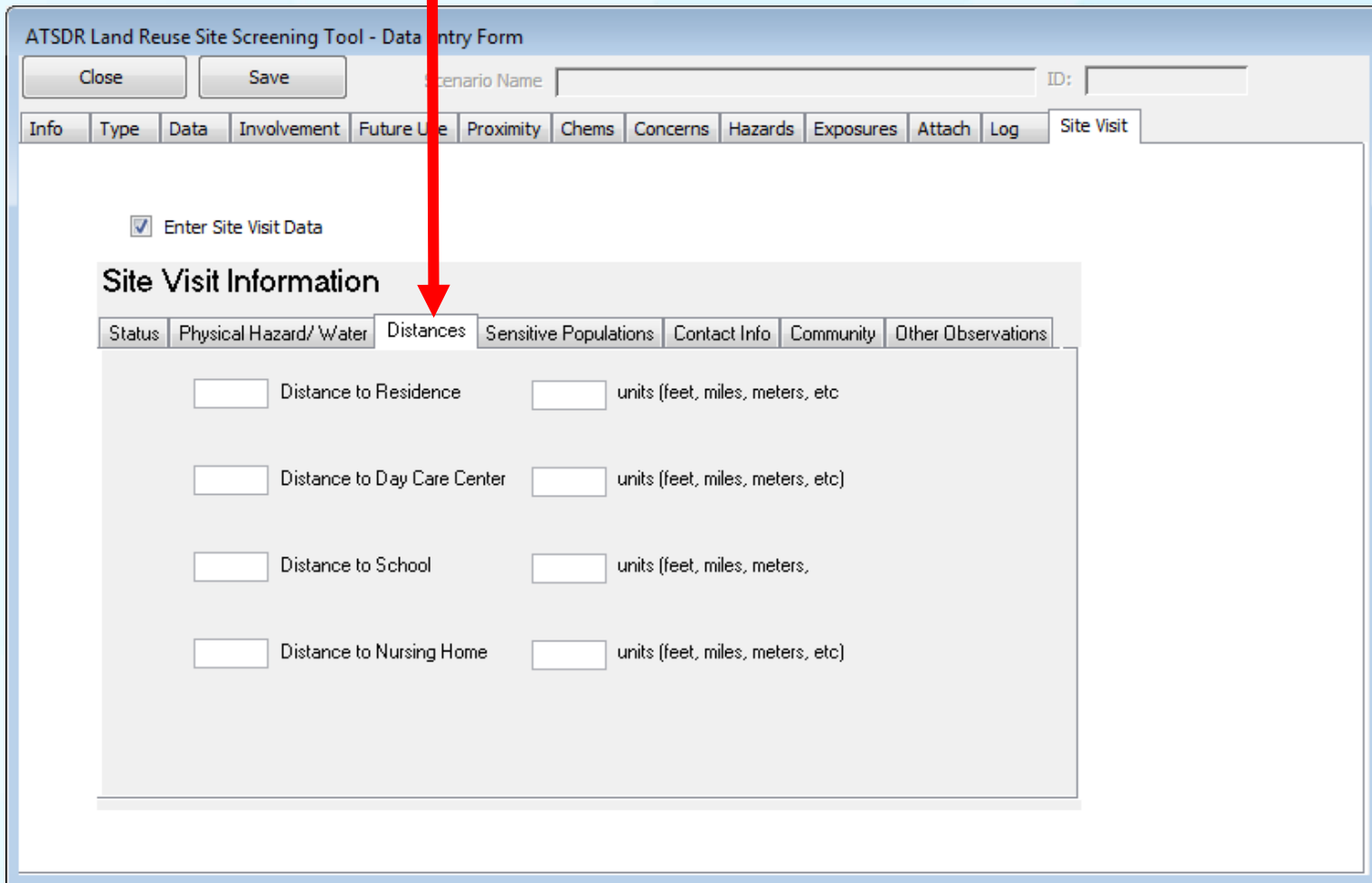
Status Physical Hazard/ Water Distances Sensitive Populations Contact Info Community Other Observations

Physical Hazards Private/Public Water Sources

- Dilapidated
- Barrels
- Unlimited Access
- Pits Ponds Lagoons
- Private Wells
- Public Surface
- Public Groundwater

# Land Reuse Site Screening Tool

Site Visit sub-pages: Distances.



ATSDR Land Reuse Site Screening Tool - Data Entry Form

Close Save Scenario Name: \_\_\_\_\_ ID: \_\_\_\_\_

Info Type Data Involvement Future Use Proximity Chems Concerns Hazards Exposures Attach Log Site Visit

Enter Site Visit Data

### Site Visit Information

Status Physical Hazard/ Water Distances Sensitive Populations Contact Info Community Other Observations

Distance to Residence  units (feet, miles, meters, etc)

Distance to Day Care Center  units (feet, miles, meters, etc)

Distance to School  units (feet, miles, meters, etc)

Distance to Nursing Home  units (feet, miles, meters, etc)

# Land Reuse Site Screening Tool

Site Visit sub-pages: Sensitive Populations.

ATSDR Land Reuse Site Screening Tool - Data Entry Form

Close Save Scenario Name ID:

Info Type Data Involvement Future Use Proximity Chems Concerns Hazards Exposures Attach Log Site Visit

Enter Site Visit Data

### Site Visit Information

Status Physical Hazard/ Water Distances Sensitive Populations Contact Info Community Other Observations

Sensitive Populations

- Childbearing Women
- Pregnant Women
- Fetus
- Infants
- Children
- Men
- Women
- Elderly
- Tobacco User
- Low Nutritional
- Compromised Organ Systems
- Altered Metabolic Function
- On Medication
- Ethanol User
- Chemical Sensitivity



# Land Reuse Site Screening Tool

Site Visit sub-pages: Contact Info.

ATSDR Land Reuse Site Screening Tool - Data Entry Form

Close Save Scenario Name ID:

Info Type Data Involvement Future Use Proximity Chemicals Concerns Hazards Exposures Attach Log Site Visit

Enter Site Visit Data

### Site Visit Information

Status Physical Hazard/ Water Distances Sensitive Populations **Contact Info** Community Other Observations

EPA Brownfield Contact

Site Owner

State Health

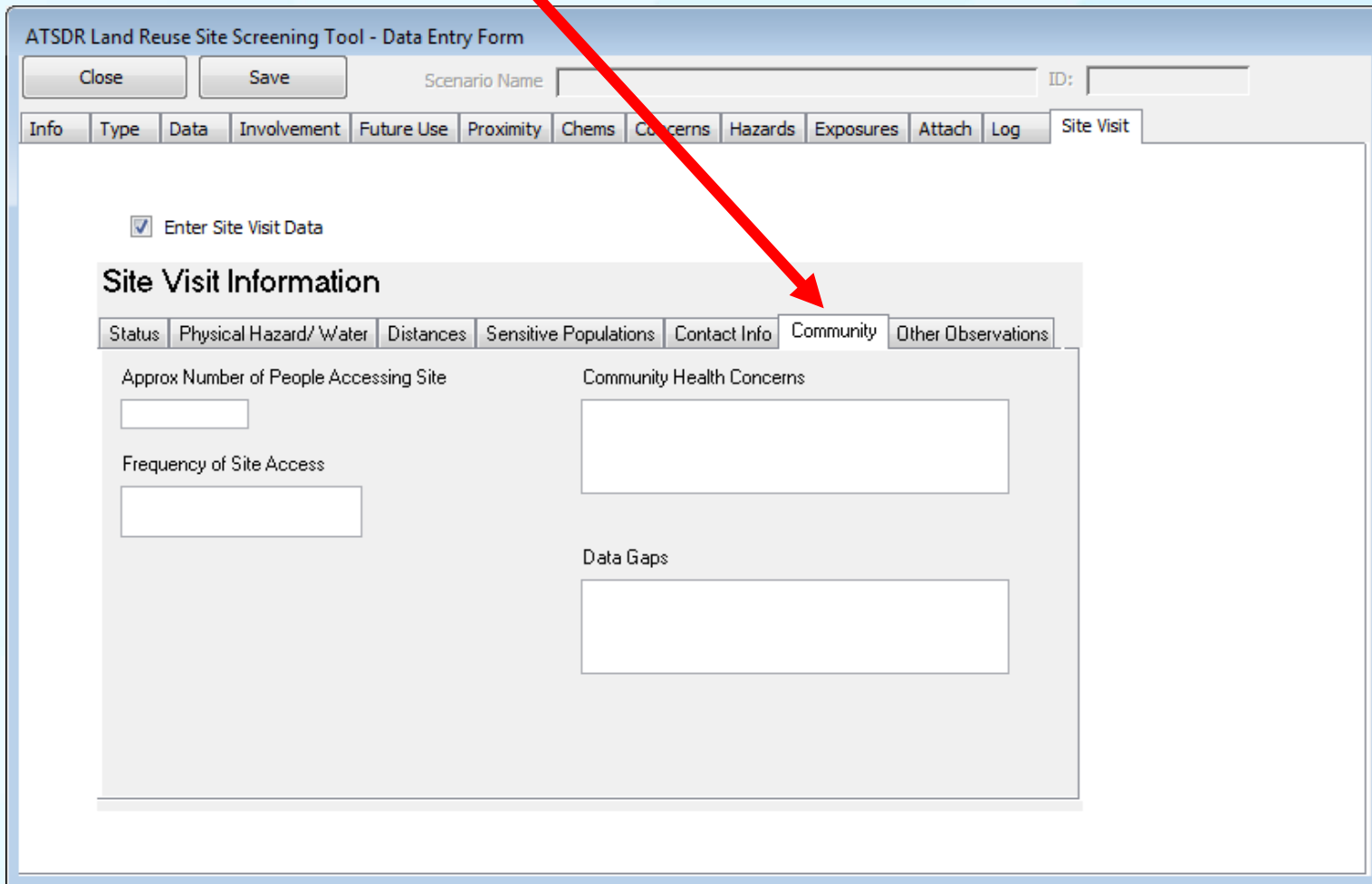
City, Local Official

Government Entities

Private Citizens

# Land Reuse Site Screening Tool

Site Visit sub-pages: Community.



ATSDR Land Reuse Site Screening Tool - Data Entry Form

Close Save Scenario Name ID:

Info Type Data Involvement Future Use Proximity Chems Concerns Hazards Exposures Attach Log Site Visit

Enter Site Visit Data

### Site Visit Information

Status Physical Hazard/ Water Distances Sensitive Populations Contact Info **Community** Other Observations

Approx Number of People Accessing Site

Frequency of Site Access

Community Health Concerns

Data Gaps

# Land Reuse Site Screening Tool

Site Visit sub-pages: Other Observations.

ATSDR Land Reuse Site Screening Tool - Data Entry Form

Close Save Scenario Name ID:

Info Type Data Involvement Future Use Proximity Chems Concerns Hazards Exposures Attach Log Site Visit

Enter Site Visit Data

**Site Visit Information**

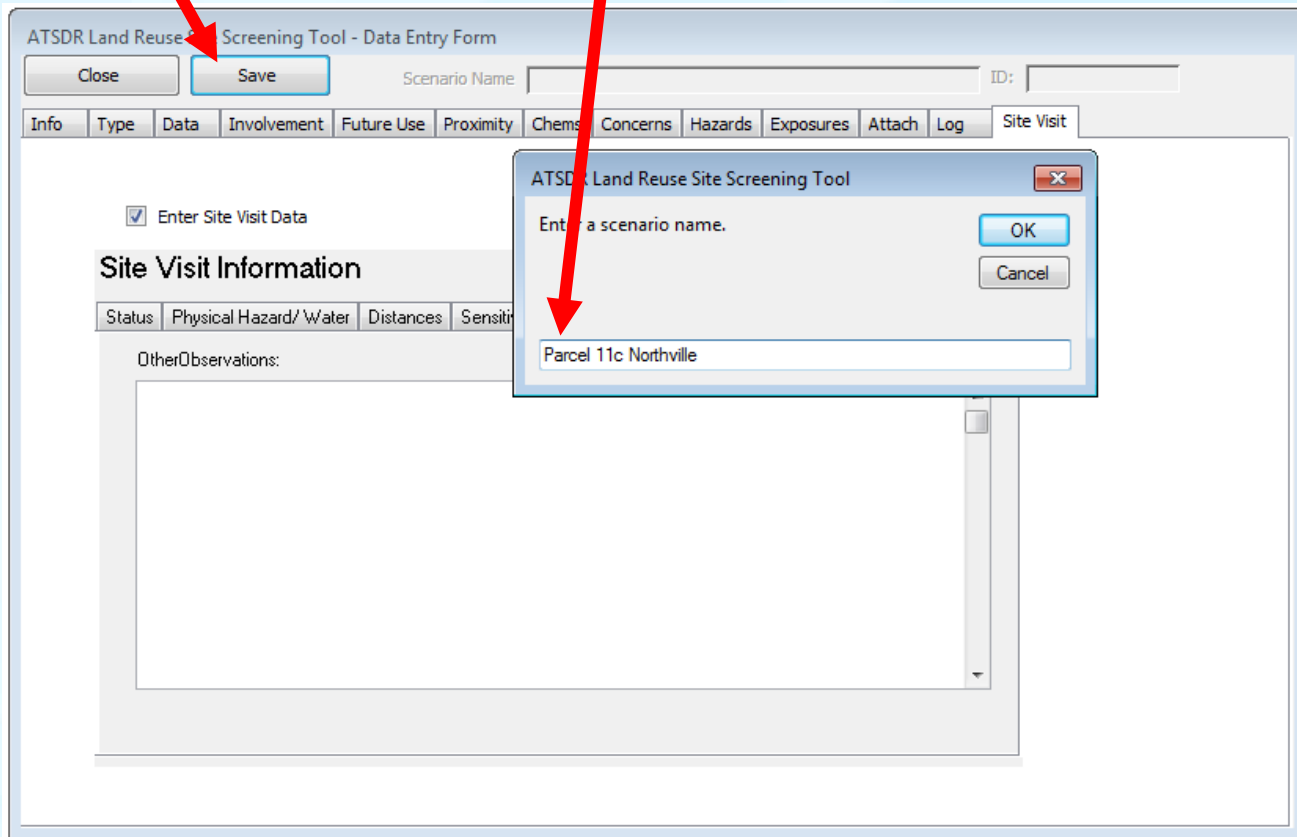
Status Physical Hazard/ Water Distances Sensitive Populations Contact Info Community Other Observations

OtherObservations:

[Empty text area with scroll bar]

# Land Reuse Site Screening Tool

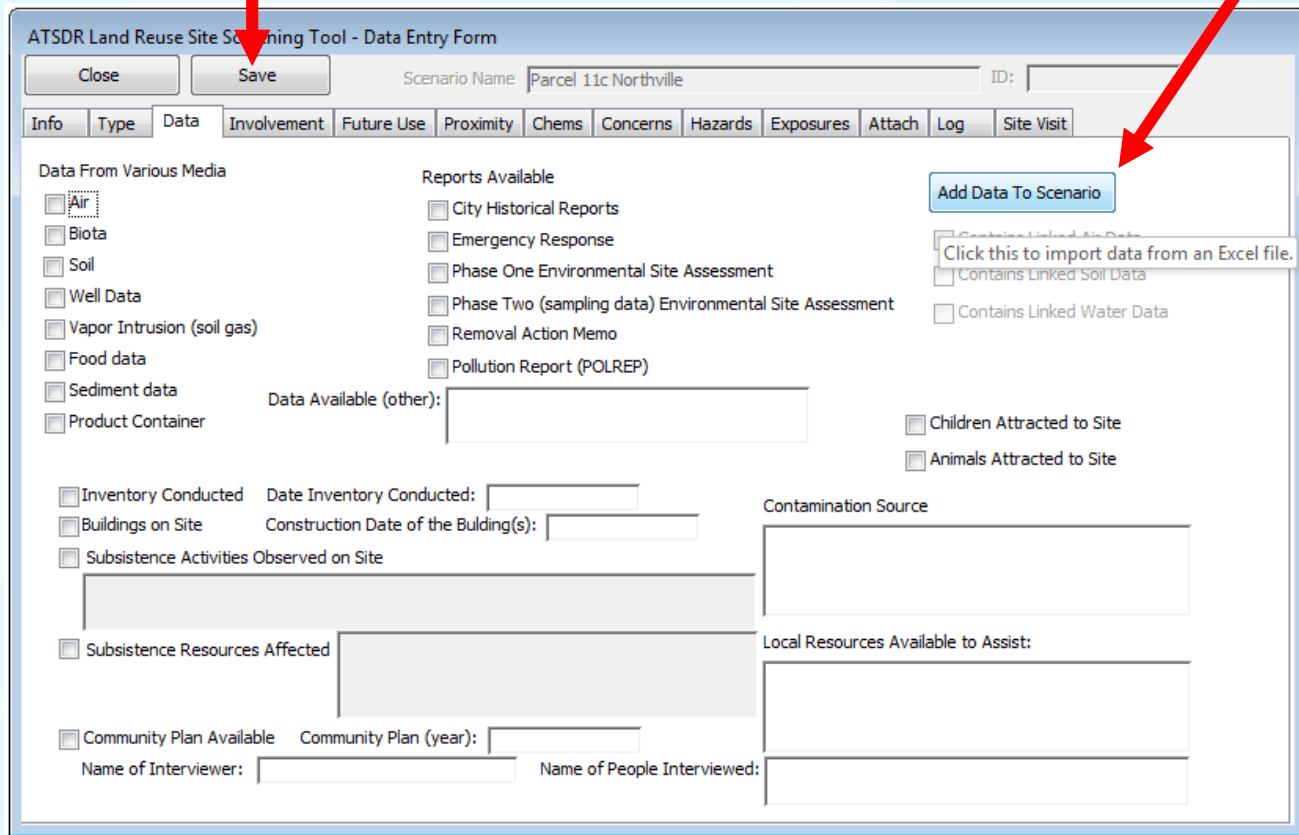
Click on Save, then enter a scenario name.



The screenshot displays the 'ATSDR Land Reuse Site Screening Tool - Data Entry Form' window. At the top, there are 'Close' and 'Save' buttons. Below them is a 'Scenario Name' input field and an 'ID:' field. A red arrow points from the text 'Click on Save' to the 'Save' button. Another red arrow points from the text 'then enter a scenario name' to a dialog box titled 'ATSDR Land Reuse Site Screening Tool'. This dialog box contains the text 'Enter a scenario name.' and 'OK' and 'Cancel' buttons. A third red arrow points from the dialog box to the 'Parcel 11c Northville' text in the 'Other Observations' field of the main form. The main form also includes tabs for 'Info', 'Type', 'Data', 'Involvement', 'Future Use', 'Proximity', 'Chemicals', 'Concerns', 'Hazards', 'Exposures', 'Attach', 'Log', and 'Site Visit'. A 'Site Visit Information' section is visible with a 'Status' tab and a table with columns for 'Physical Hazard/Water', 'Distances', and 'Sensitivity'. A checkbox labeled 'Enter Site Visit Data' is checked.

# Land Reuse Site Screening Tool

Importing analytical data. Click on the “Data” page, then click on “Add Data To Scenario.”



ATSDR Land Reuse Site Screening Tool - Data Entry Form

Close Save Scenario Name: Parcel 11c Northville ID: [ ]

Info Type **Data** Involvement Future Use Proximity Chems Concerns Hazards Exposures Attach Log Site Visit

**Data From Various Media**

- Air
- Biota
- Soil
- Well Data
- Vapor Intrusion (soil gas)
- Food data
- Sediment data
- Product Container

**Reports Available**

- City Historical Reports
- Emergency Response
- Phase One Environmental Site Assessment
- Phase Two (sampling data) Environmental Site Assessment
- Removal Action Memo
- Pollution Report (POLREP)

Data Available (other): [ ]

Inventory Conducted Date Inventory Conducted: [ ]

Buildings on Site Construction Date of the Building(s): [ ]

Subsistence Activities Observed on Site

Subsistence Resources Affected

Community Plan Available Community Plan (year): [ ]

Name of Interviewer: [ ] Name of People Interviewed: [ ]

**Contamination Source**

[ ] Children Attracted to Site

[ ] Animals Attracted to Site

**Add Data To Scenario**

Click this to import data from an Excel file.

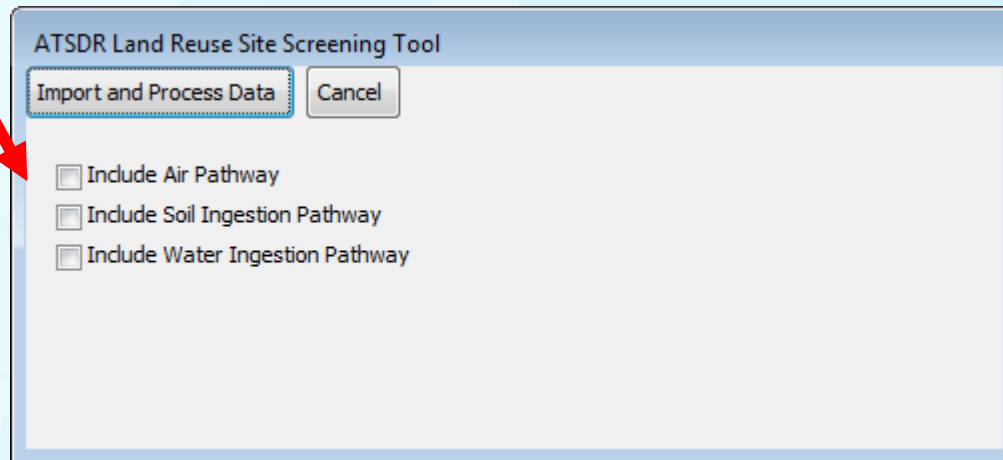
Contains Linked Air Data

Contains Linked Soil Data

Contains Linked Water Data

# Land Reuse Site Screening Tool

Select the media (Air, Soil, Water) for which data are available. These data will be evaluated for exceedances of ATSDR Health Comparison Values.

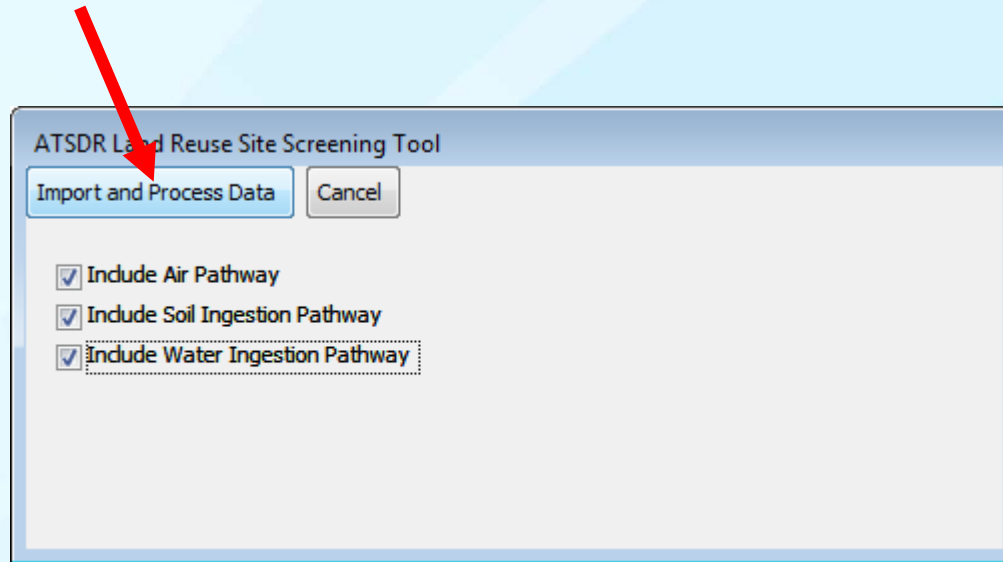


ATSDR Land Reuse Site Screening Tool

Include Air Pathway  
 Include Soil Ingestion Pathway  
 Include Water Ingestion Pathway

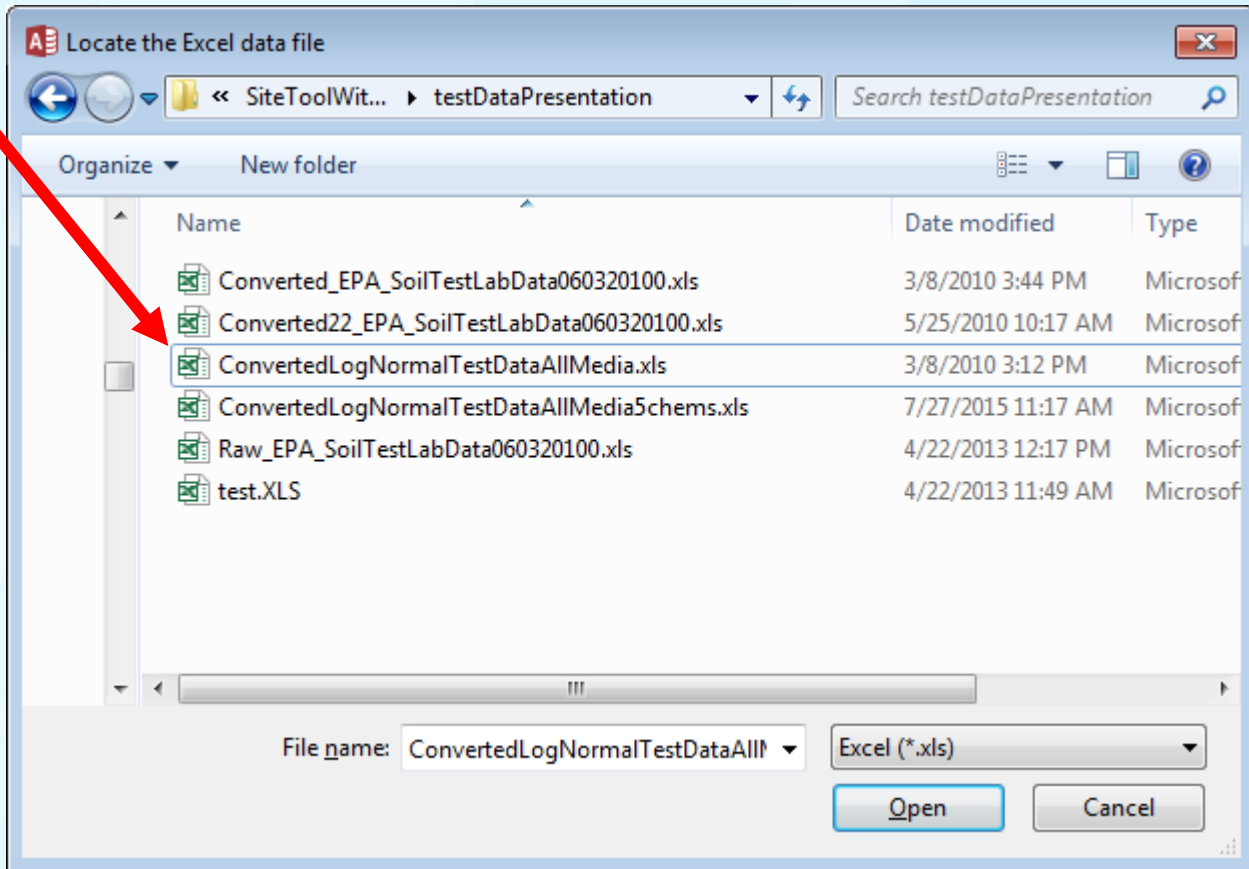
# Land Reuse Site Screening Tool

Click on “Import and Process Data.” The data will be imported from a previously formatted file. The data must be formatted using the companion tool “Data Conversion Tool.”



# Land Reuse Site Screening Tool

Locate the spreadsheet then click open. This system is only able to import xls files.





# Land Reuse Site Screening Tool

The number of records will be display along with the percent of all records read.

ATSDR Land Reuse Site Screening Tool - Data Entry Form

Close Save Scenario Name Parcel 11c Northville ID: [ ]

Info Type Data Involvement Future Use Proximity Chems Concerns Hazards Exposures Attach Log Site Visit

Data From Various Media Reports Available

Air  Biota  Soil  Well D  Vapor  Food c  Sedime  Produc

Include Air Pathwa  Include Soil Ingesti  Include Water Inge

Inven  Build  Subsistence Resources Observed on Site

Subsistence Resources Affected

Community Plan Available Community Plan (year): [ ]

Name of Interviewer: [ ] Name of People Interviewed: [ ]

Contains Linked Air Data   
Contains Linked Soil Data   
Contains Linked Water Data   
Children Attracted to Site   
Animals Attracted to Site   
ce

Local Resources Available to Assist: [ ]

ATSDR Land Reuse Site Screening Tool

Import and Process Data Cancel Total records=100 100% complete  
Records read: 100

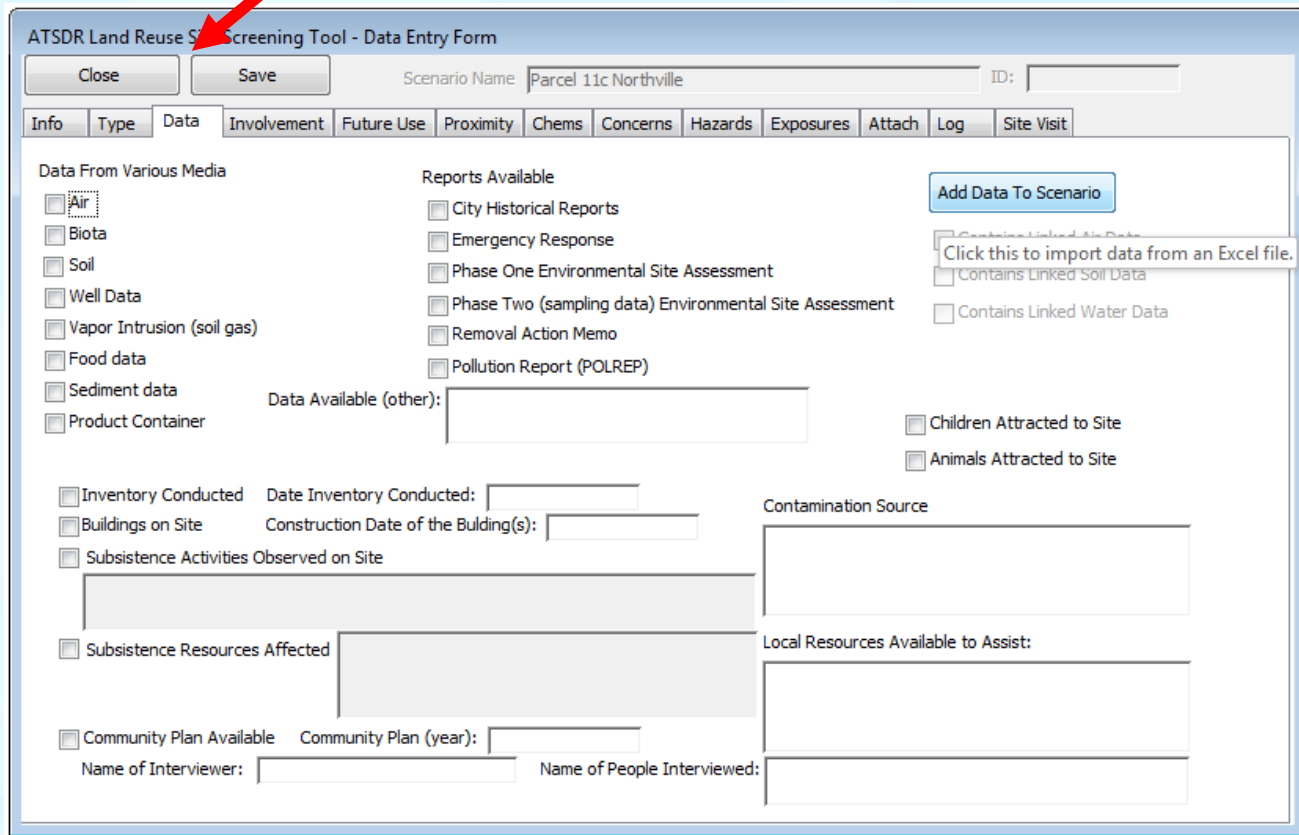
ATSDR Land Reuse Site Screening Tool

The data processing is complete.

OK

# Land Reuse Site Screening Tool

Save the data, then click on Close.



ATSDR Land Reuse Site Screening Tool - Data Entry Form

Close Save Scenario Name: Parcel 11c Northville ID: \_\_\_\_\_

Info Type Data Involvement Future Use Proximity Chems Concerns Hazards Exposures Attach Log Site Visit

Data From Various Media

- Air
- Biota
- Soil
- Well Data
- Vapor Intrusion (soil gas)
- Food data
- Sediment data
- Product Container

Reports Available

- City Historical Reports
- Emergency Response
- Phase One Environmental Site Assessment
- Phase Two (sampling data) Environmental Site Assessment
- Removal Action Memo
- Pollution Report (POLREP)

Data Available (other): \_\_\_\_\_

Children Attracted to Site

Animals Attracted to Site

Inventory Conducted  Date Inventory Conducted: \_\_\_\_\_

Buildings on Site  Construction Date of the Building(s): \_\_\_\_\_

Subsistence Activities Observed on Site

Subsistence Resources Affected

Community Plan Available  Community Plan (year): \_\_\_\_\_

Name of Interviewer: \_\_\_\_\_ Name of People Interviewed: \_\_\_\_\_

Contamination Source \_\_\_\_\_

Local Resources Available to Assist: \_\_\_\_\_

Add Data To Scenario

Contains Linked Air Data

Click this to import data from an Excel file.

Contains Linked Soil Data

Contains Linked Water Data

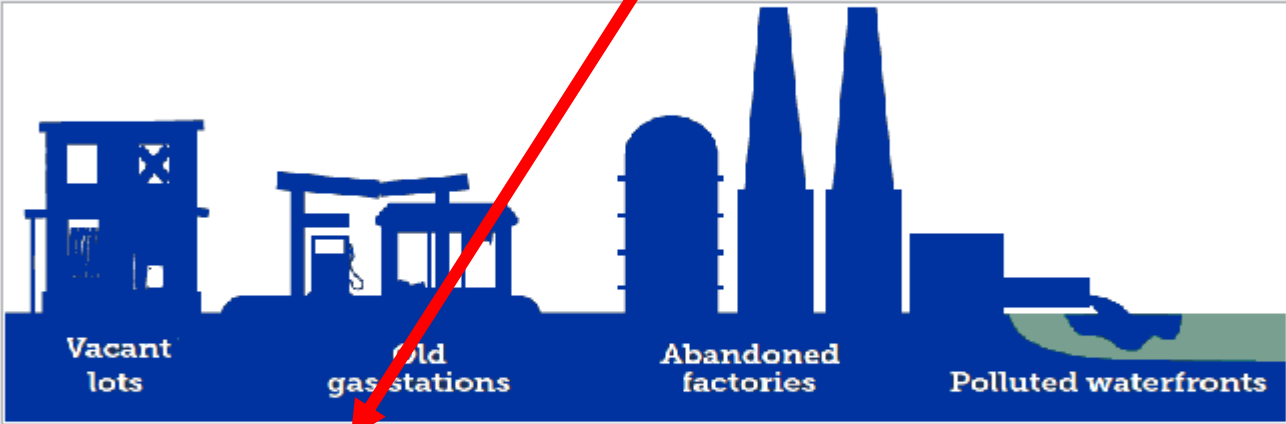
# Land Reuse Site Screening Tool

To view and print the processed data, click on the top button.

ATSDR Land Reuse Site Screening Tool

## ATSDR Land Reuse Site Screening Tool


*This tool provides two functions: 1) searchable inventory and 2) compares environmental sampling data to health comparison values.*



**Vacant lots**      **Old gas stations**      **Abandoned factories**      **Polluted waterfronts**

- Enter, View, Query, or Print Site Data
- Import data from another version
- Import inventory data from a spreadsheet
- Exit

version: 02March2017. NOTE: Exposure doses will no longer be calculated with this tool.



# Land Reuse Site Screening Tool

Click on View/Print site data.



ATSDR Land Reuse Site Screening Tool

- Enter data
- View/Print saved site data
- Query data for viewing or exporting
- Close

# Land Reuse Site Screening Tool

The most recent site will be the last record. Use the query function to search for a specific record.

A checkboxes indicates there are site visit data and linked imported analytical data for viewing.

The data from these record can be exported to a CSV file. Use the Query function to select specific records.

The record displayed can be edited or deleted.

View and print the site data and site visit data (if available).

The screenshot shows the ATSDR Land Reuse Site Screening Tool interface. The title bar reads "ATSDR Land Reuse Site Screening Tool". The form contains the following fields and controls:

- Site Name: test
- Address: (empty)
- City: (empty) State: ARIZONA
- Scenario Name: test24
- Contains Linked Site Visit Data:  (indicated by a red arrow)
- Contains linked Data...:  Air Data,  Soil Data,  Water Data (indicated by a red arrow)
- Export Record(s) as a comma delimited file: (button, indicated by a red arrow)
- Edit Record: (button, indicated by a red arrow)
- Delete Record: (button, indicated by a red arrow)
- Site Data Reports:  Site Data,  Air Data,  Soil Data,  Water Data (indicated by a red arrow)
- Site Visit:  (indicated by a red arrow)
- Maximum Values:  (indicated by a red arrow)
- Close: (button)
- Record: 1 of 1 (indicated by a red arrow)
- No Filter: (button)
- Search: (input field)

# Land Reuse Site Screening Tool

The most recent site will be the last record. Use the query function to search for a specific record.

ATSDR Land Reuse Site Screening Tool

Site Name: test

Address:

City: State: ARIZONA

Scenario Name: test24

Contains Linked Site Visit Data

Export Record(s) as a comma delimited file

Contains linked Data...

Air Data  Soil Data  Water Data

Edit Record Delete Record

Site Data Reports

Site Data  Air Data  Soil Data

Site Visit  Water Data

Maximum Values

Close

Record: 1 of 1 No Filter Search

View and print the evaluation of sampling data using the ATSDR Health Comparison Values or available media.

View and print various reports. The evaluation of analytical data against ATSDR Health Comparison Values in each report is based on the statistical parameter in the report name (e.g., view the comparison based on the Maximum).

# Land Reuse Site Screening Tool

Maximum Values Report



Maximum Values

# Land Reuse Site Screening Tool

Reports – Maximum values used in the evaluation

*ATSDR Land Reuse Site Screening Tool: Soil-Results based on the maximum values.*

<i>Chemical</i>	<i>CASN</i>	<i>Units</i>	<i>CV name</i>	<i>CV value</i>	<i>&gt;CV</i>	<i>N</i>	<i>#ND</i>	<i># non ND&gt;CV</i>	<i>MXConc</i>
<i>Actual data are above a CV value.</i>									
benzene	000071-43-2	ppm	Soil CRE G	7E+00	Y	25	0	25	8.4E+02

min=1.4E+1, Q1=4.1E+1, median=1.6E+2, arithmetic mean=2.1E+2, Q3=3.5E+2, max=8.4E+2, range=8.2E+2  
MNQ1.....Q2.....Q3.....MX  
CV.....



# Land Reuse Site Screening Tool

## Comparison value report - interpretation Key 1 of 3

CV	= ATSDR Health Comparison Value
>CV	= Number of data points above the comparison value
N	= Number of data points
#ND	= Number of data points that are non detect
#non ND>CV	= Number of data points that contained a value that was above the CV
MXConc	= Maximum concentration

### *ATSDR Land Reuse Site Screening Tool: Soil-Results based on the maximum values.*

<i>Chemical</i>	<i>CASN</i>	<i>Units</i>	<i>CV name</i>	<i>CV value</i>	<i>&gt;CV</i>	<i>N</i>	<i>#ND</i>	<i># non ND&gt;CV</i>	<i>MXConc</i>
-----------------	-------------	--------------	----------------	-----------------	---------------	----------	------------	-----------------------	---------------

Actual data are above a CV value.

benzene	000071-43-2	ppm	Soil CRE G	7E+00	Y	25	0	25	8.4E+02
---------	-------------	-----	------------	-------	---	----	---	----	---------

min=1.4E+1, Q1=4.1E+1, median=1.6E+2, arithmetic mean=2.1E+2, Q3=3.5E+2, max=8.4E+2, range=8.2E+2  
MNQ1.....Q2.....Q3.....MX  
CV.....

# Land Reuse Site Screening Tool

## Comparison value report - interpretation Key 2 of 3

n/a	= Not available
8.4E+02	= Scientific notation for 840
Y	= Yes, used to indicate that at least one data point was above the CV
min	= Minimum value
Q1	= First quartile (25% of the data)
Q2	= Second quartile (50% of the data)
median	= Middle value, half of the data points are above this value, also known as the Q2
arithmetic mean	= Average value of the raw (non-transformed) data
Q3	= Third quartile (75% of the data)
max	= Maximum value
range	= Maximum minus the minimum

The two lines below graphically depict the spread (distribution of the data relative to the comparison value (see next slide for an enlarged version).

### ATSDR Land Reuse Site Screening Tool: Soil-Results based on the maximum values.

Chemical	CASN	Units	CV name	CV value	>CV	N	#ND	# non ND>CV	MXConc
<u>Actual data are above a CV value.</u>									
benzene	000071-43-2	ppm	Soil CREG	7E+00	Y	25	0	25	8.4E+02
min=1.4E+1, Q1=4.1E+1, median=1.6E+2, arithmetic mean=2.1E+2, Q3=3.5E+2, max=8.4E+2, range=8.2E+2 MNQ1.....Q2.....Q3.....MX									

# Land Reuse Site Screening Tool

## Comparison value report - interpretation Key 3 of 3

There are 100 dots from the minimum to the maximum. Each dot represents the range/100. This is an arbitrary depiction of the data and is used to provide a general visual picture of how the data are distributed.



```
min=3.7E+0, Q1=4.6E+0, median=5.1E+0, arithmetic mean=7.5E+0, Q3=8.7E+0, max=9.1E+1, range=2.7E+1  
MNQ1Q2.....Q3.....MX  
CV.....
```

# Land Reuse Site Screening Tool

## Query function

On the main screen, click “Enter, View, Query, or Print Site Data,” then click “Query data for viewing or exporting.”

The image shows a screenshot of the ATSDR Land Reuse Site Screening Tool interface. The main window has a title bar "ATSDR Land Reuse Site Screening Tool" and a header "ATSDR Land Reuse Site Screening Tool". Below the header is a description: "This tool provides two functions: 1) searchable inventory and 2) compares environmental sampling data to health comparison values." The main content area features a blue silhouette of industrial sites with three categories: "Vacant lots", "Old gas stations", and "Abandoned factories". Below this is a menu with four options: "Enter, View, Query, or Print Site Data", "Import data from another version", "Import inventory data from a spreadsheet", and "Exit". A red arrow points from the text above to the "Enter, View, Query, or Print Site Data" option. A second red arrow points from the same text to a sub-menu that is open, showing three options: "Enter data", "View/Print saved site data", and "Query data for viewing or exporting". The "Query data for viewing or exporting" option is highlighted with a blue dashed border. At the bottom of the main window, there is a version number "version: 02March2017. NOTE: Exposure doses will no longer be calculated with this tool." and the ATSDR logo with the text "AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY".

# Land Reuse Site Screening Tool

## Query function

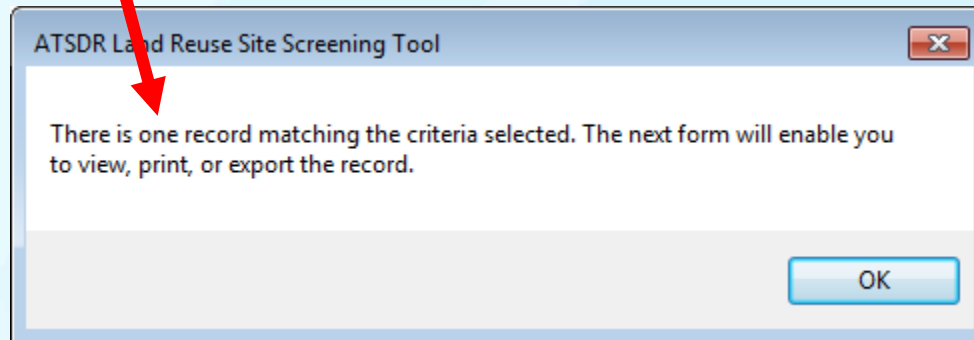
Select the criteria of the record(s) you wish to locate, then click “Run Query.”

The screenshot shows the ATSDR Land Reuse Site Screening Tool - Data Query Form. The form is titled "ATSDR Land Reuse Site Screening Tool - Data Query Form" and contains a blue header with the instruction: "Please select at least one criterion from the lists and check boxes on all tabs, then click 'Run Query'." Below the header are three buttons: "Run Query", "Close", and "Reset Query Fields". A red arrow points to the "Run Query" button. The form is divided into several tabs: "Info", "Type", "Data", "Involvement", "Future Use", "Proximity", "Chems", "Concerns", "Hazards", "Exposures", and "Site Visit". The "Info" tab is currently selected. The form contains various input fields and dropdown menus, including: Site Name, Site Address/APN, Site City, Site County, Site State (set to MASSACHUSETTS), Site Zip, Site Latitude (LAT), Site Longitude (LONG), Site Contact Name, Site Contact Affiliation, Site Contact Phone, Site Contact email, Institutional Controls (description), Start Date, End Date, Stewardship, Catalogue of Violations, Catalogue of Spills, Catalogue of Emergency Response(s), Knowledge of Property (with checkboxes for State, County, City/Town, Tribal, and Federal), Brownfield\_Status, Owner, Site Code, Date Accepted, Soil removal (tons), Site Status, Site Owner Name, File Number, Institutional Controls (type), GW Removed (gals), and a checkbox for Restricted land Use.

# Land Reuse Site Screening Tool

## Query function

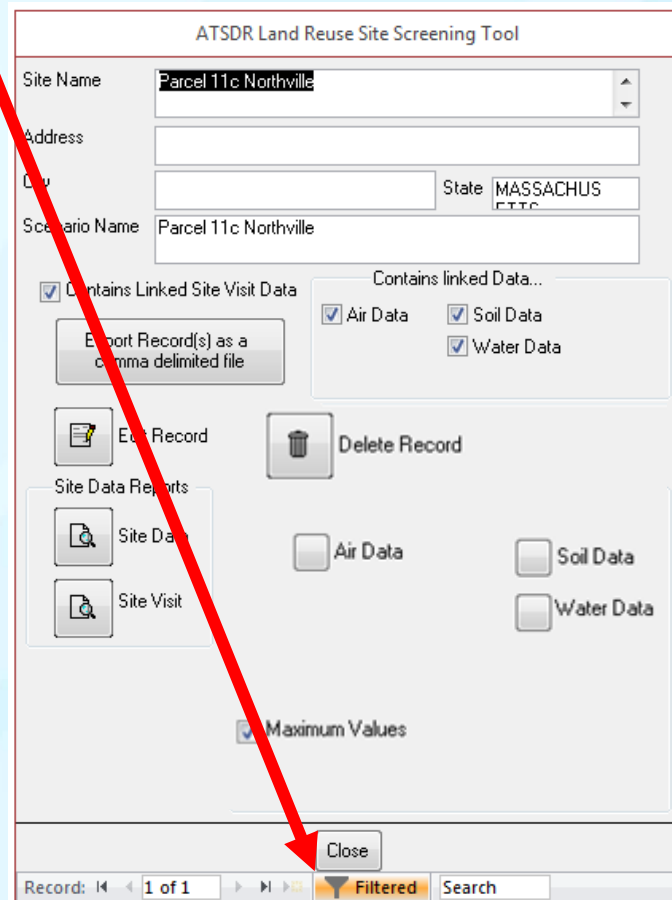
The number of record(s) matching the criteria are listed in the dialog box.



# Land Reuse Site Screening Tool

## Query function

The record(s) matching the criteria are listed in the form below. Note the queried data are filtered and represent a subset of the entire data.



ATSDR Land Reuse Site Screening Tool

Site Name: Parcel 11c Northville

Address: [Empty]

City: [Empty] State: MASSACHUSETTS

Scenario Name: Parcel 11c Northville

Contains Linked Site Visit Data

Export Record(s) as a comma delimited file

Contains linked Data...  
 Air Data  Soil Data  Water Data

Edit Record Delete Record

Site Data Reports  
 Site Data  Air Data  Soil Data  
 Site Visit  Water Data

Maximum Values

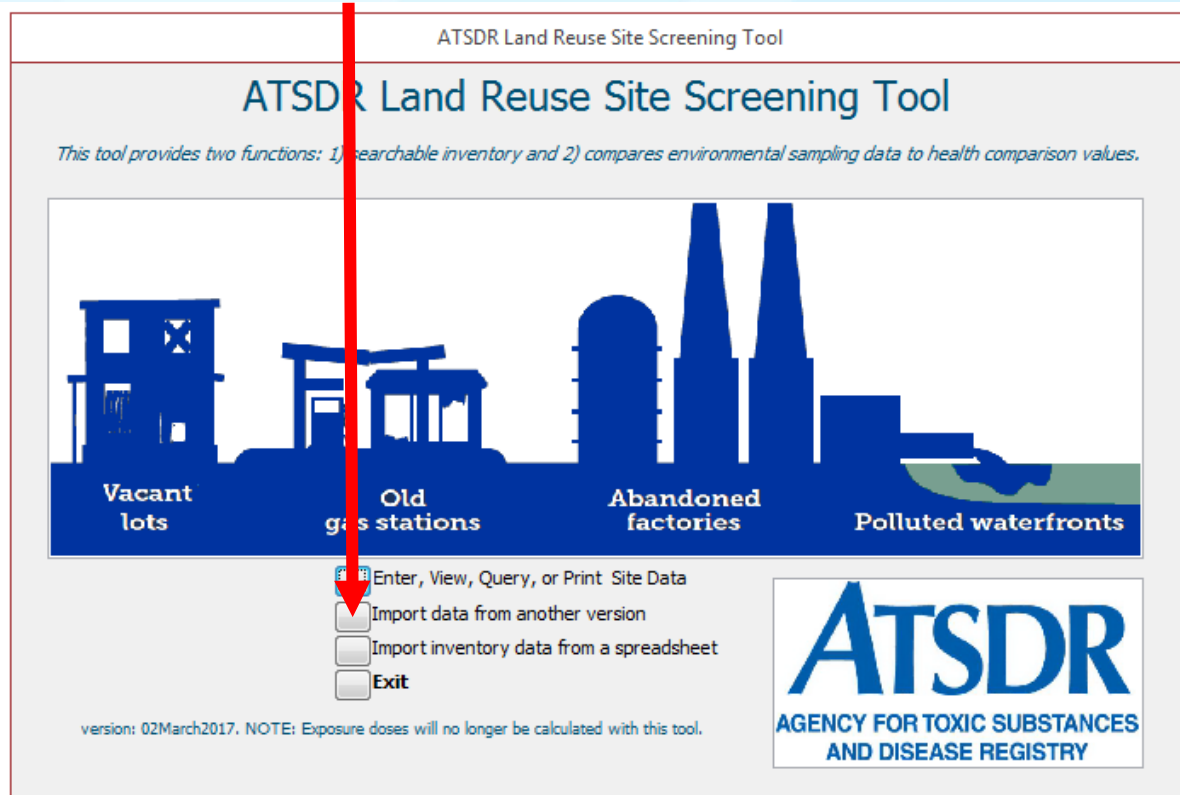
Close

Record: 1 of 1 Filtered Search

# Land Reuse Site Screening Tool

## Import Data From another Version of the Site Tool

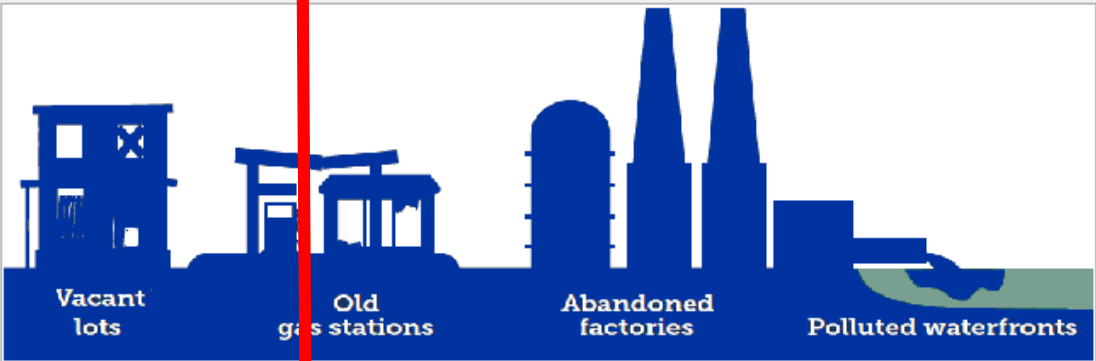
Existing site data from another version of the site tool can be imported by clicking on “Import data from another version.”



ATSDR Land Reuse Site Screening Tool

ATSDR Land Reuse Site Screening Tool

*This tool provides two functions: 1) searchable inventory and 2) compares environmental sampling data to health comparison values.*



Vacant lots      Old gas stations      Abandoned factories      Polluted waterfronts

- Enter, View, Query, or Print Site Data
- Import data from another version
- Import inventory data from a spreadsheet
- Exit

version: 02March2017. NOTE: Exposure doses will no longer be calculated with this tool.

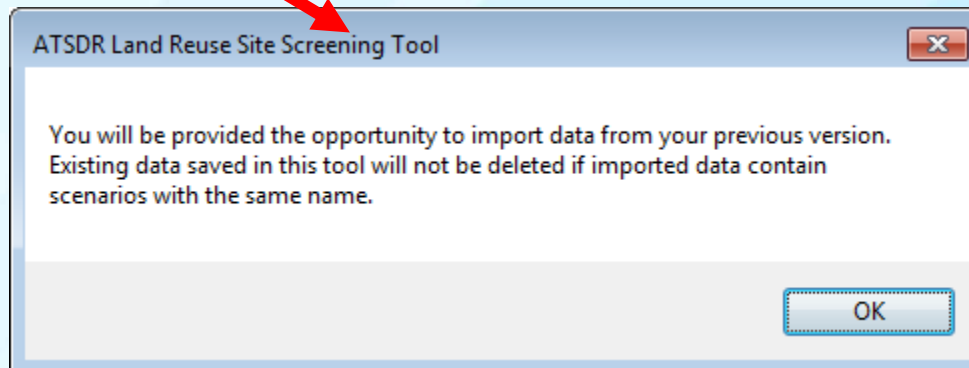
**ATSDR**  
AGENCY FOR TOXIC SUBSTANCES  
AND DISEASE REGISTRY



# Land Reuse Site Screening Tool

Import Data From another Version of the Site Tool

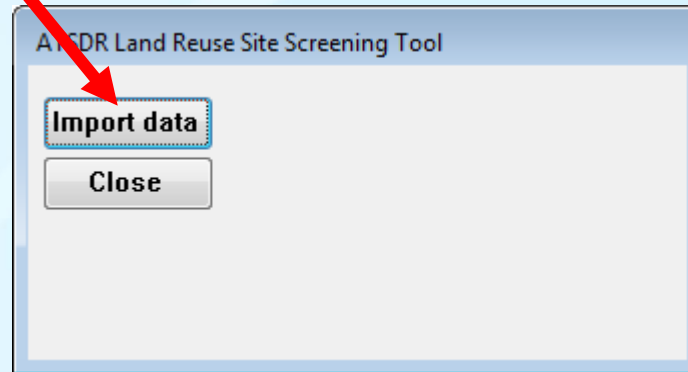
Click "OK."



# Land Reuse Site Screening Tool

Import Data From another Version of the Site Tool

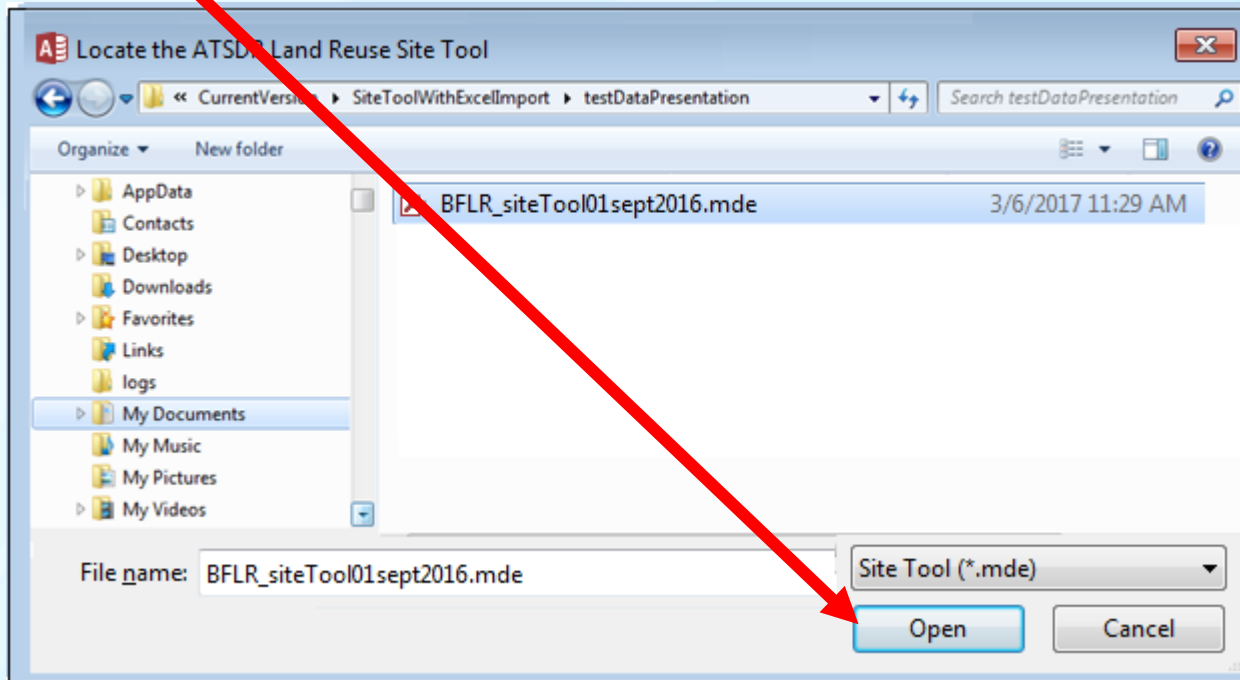
Click "Import data."



# Land Reuse Site Screening Tool

Import Data From another Version of the Site Tool

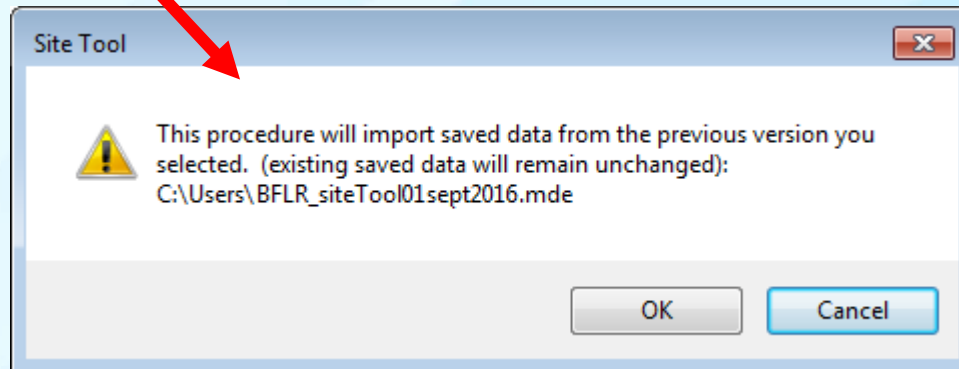
Select the file to import data from, then click “Open.”



# Land Reuse Site Screening Tool

Import Data From another Version of the Site Tool

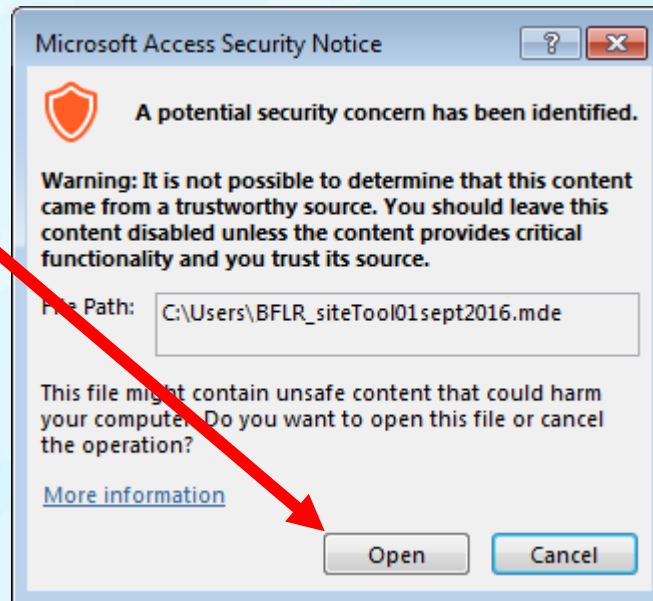
Click "OK."



# Land Reuse Site Screening Tool

Import Data From another Version of the Site Tool

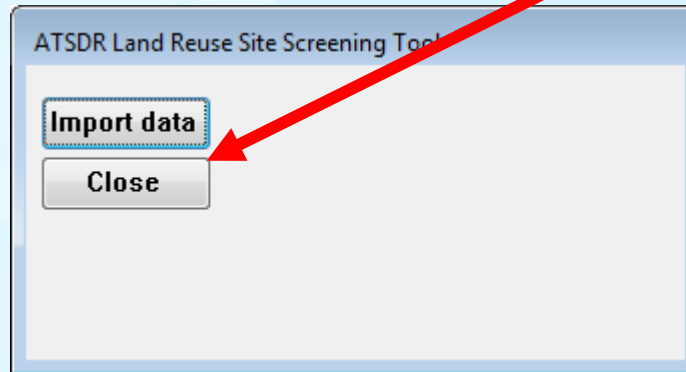
This security warning may appear several times; in each instance, click “Open.”



# Land Reuse Site Screening Tool

Import Data From another Version of the Site Tool

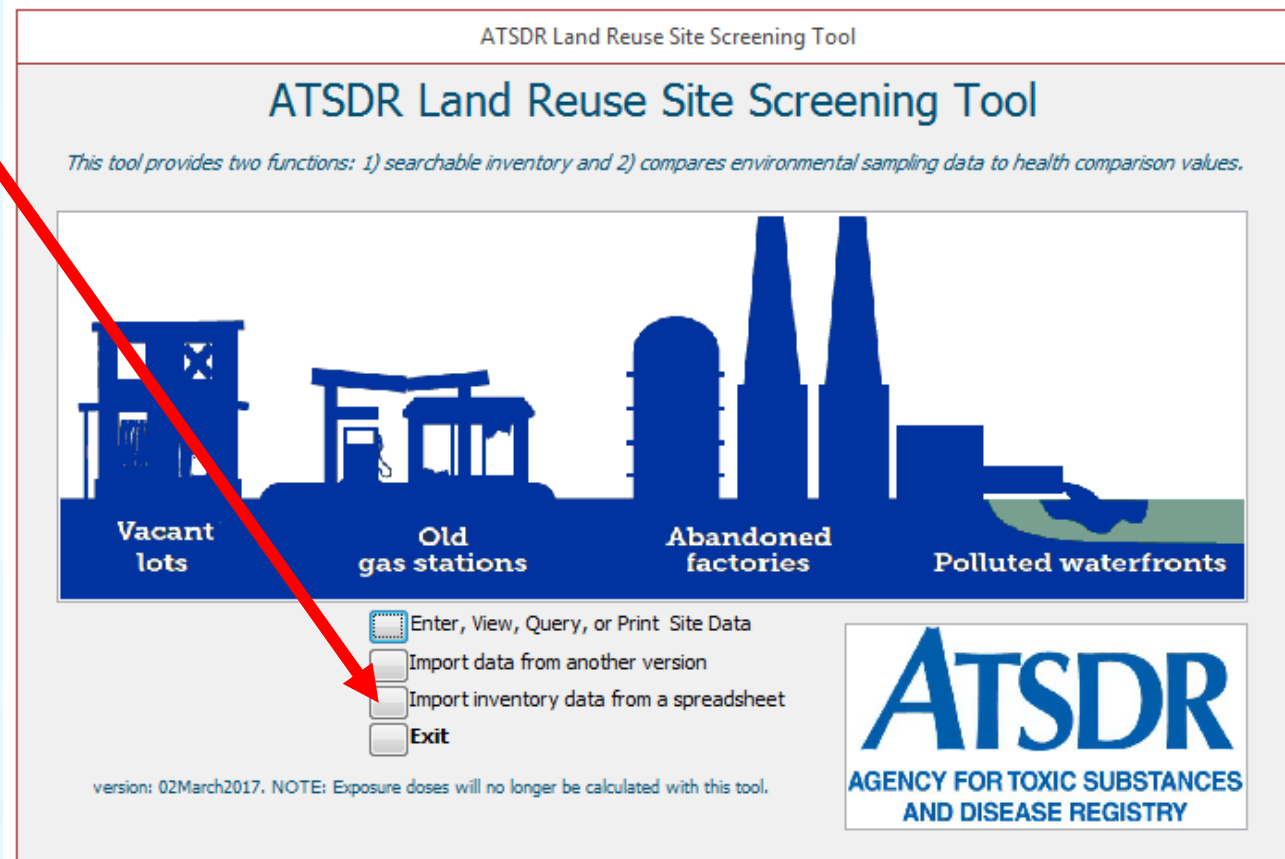
Once the data are imported, this screen will be displayed. Click “Close” to continue.



# Land Reuse Site Screening Tool

## Import Inventory Data Function

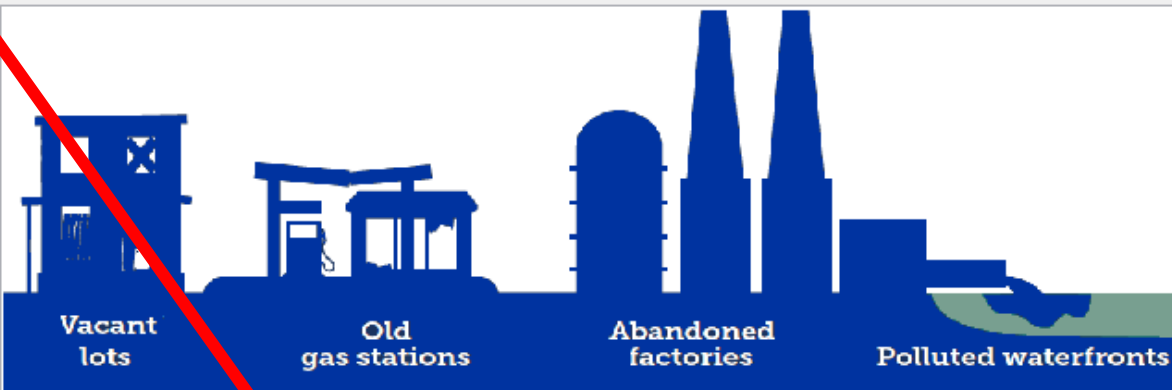
Existing site data (not analytical data) can be imported by clicking “Import inventory data from a spreadsheet.”



ATSDR Land Reuse Site Screening Tool

### ATSDR Land Reuse Site Screening Tool


*This tool provides two functions: 1) searchable inventory and 2) compares environmental sampling data to health comparison values.*



Vacant lots      Old gas stations      Abandoned factories      Polluted waterfronts

- Enter, View, Query, or Print Site Data
- Import data from another version
- Import inventory data from a spreadsheet
- Exit

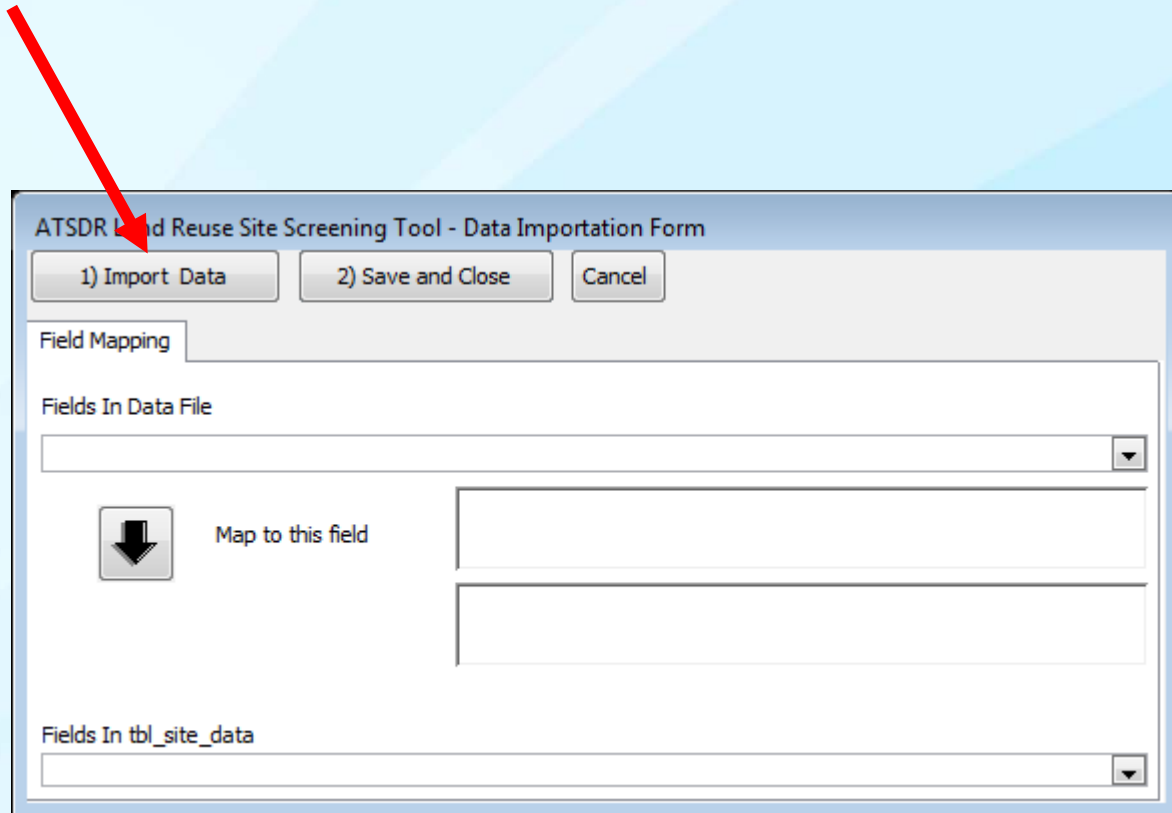
version: 02March2017. NOTE: Exposure doses will no longer be calculated with this tool.



# Land Reuse Site Screening Tool

## Import Inventory Data Function

Click “1) Import Data”



ATSDR Land Reuse Site Screening Tool - Data Importation Form

1) Import Data    2) Save and Close    Cancel

Field Mapping

Fields In Data File

Map to this field

Fields In tbl\_site\_data

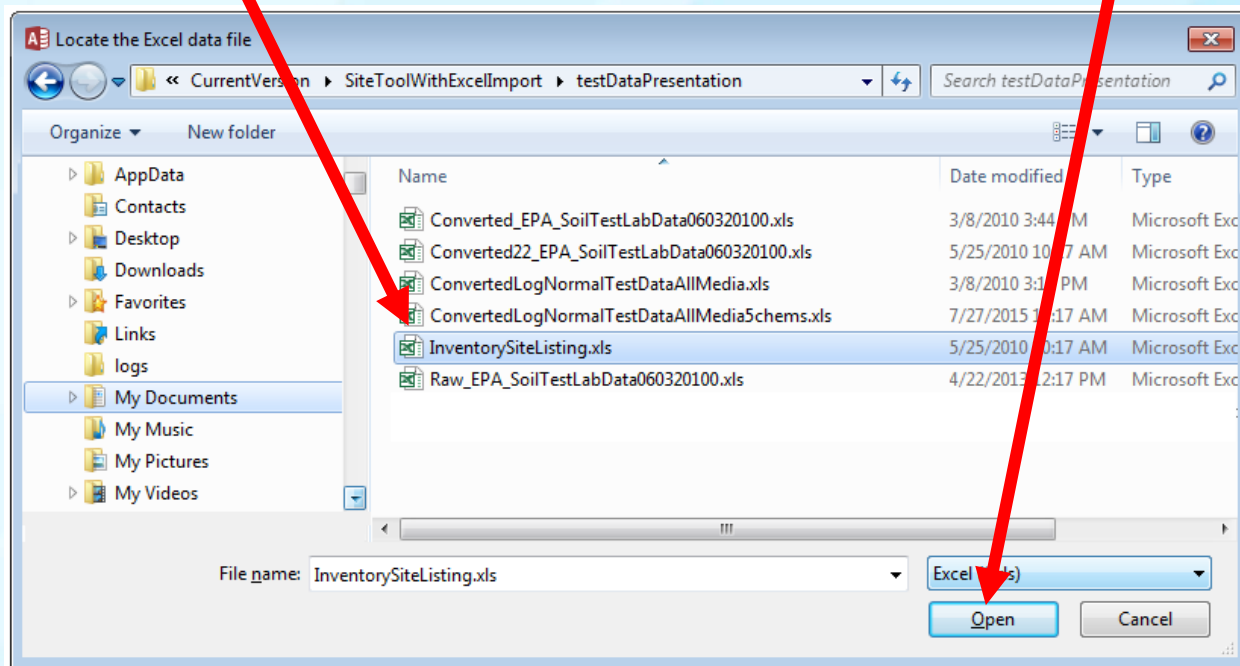
The screenshot shows a software window titled "ATSDR Land Reuse Site Screening Tool - Data Importation Form". At the top, there are three buttons: "1) Import Data", "2) Save and Close", and "Cancel". Below the buttons is a section titled "Field Mapping". Under "Field Mapping", there is a label "Fields In Data File" above a dropdown menu. Below this is a "Map to this field" section containing a downward-pointing arrow icon and two empty text input fields. At the bottom, there is a label "Fields In tbl\_site\_data" above another dropdown menu. A red arrow points from the text "Click '1) Import Data'" to the "1) Import Data" button.



# Land Reuse Site Screening Tool

## Import Inventory Data Function

Locate the data file containing Inventory Data, then click “Open.”



# Land Reuse Site Screening Tool

## Import Inventory Data Function

1. Match each field in the data file to the fields in the table containing site data (tbl\_site\_data).
2. Select the field from the top list (which contain the fields in the data file).
3. Select the matching field from the second list.
4. Click the Large Black Down Arrow.
5. When finished, click “2) Save and Close.”
6. Note that each record must contain a unique field that must be matched up with “scenario” in the bottom list.

ATSDR Land Reuse Site Screening Tool - Data Importation Form

1) Import Data    2) Save and Close    Cancel

Field Mapping

Fields In Data File

count

Map to this field

```
tbl_import.[City] as site_city,  
site_city,
```

Fields In tbl\_site\_data

Site\_county

# For more information

## ATSDR Land Reuse Health Program

Web: <https://www.atsdr.cdc.gov/sites/brownfields/index.html>

Email: [ATSDR.LandReuse@cdc.gov](mailto:ATSDR.LandReuse@cdc.gov)

**For more information please contact Agency for Toxic Substances and Disease Registry**

4770 Buford Highway NE, Chamblee, GA 30341

Telephone: 1-800-CDC-INFO (232-4636)/TTY: 1-888-232-6348

Web: <http://www.atsdr.cdc.gov>

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Agency for Toxic Substances and Disease Registry.