


RVAAP Access Website

***Your Online Resource for Ravenna Army Ammunition Plant
Restoration News and Information***

***Restoration Advisory Board Meeting
June 21, 2006***

Pat Ryan




Presentation Overview

- Purpose of the Ravenna Access Public Website
- Show the features of the Website
- Show how to search for documents
- Answer questions about the Website
- Presentation will be posted on the Website as a user guide

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- This presentation will be posted on the Website. You can look back over these slides and notes after you have had a chance to try out the Website at home.




Website Purpose

- Public information
- Opportunities for public involvement
- Public notice of Proposed Plan documents
- Public input (comments on documents, survey, questions)
- Supplements the Information Repositories

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- The Army appreciates the community's interest in RVAAP cleanup and encourages public participation. In order to participate, the RAB and other members of the public need information about what the Army is doing at the site. This website is one example of public information.
- You can go to this Website for other information like schedules of activities and documents that describe the studies that the Army conducts.
- Opportunities for involvement include site tours, Restoration Advisory Board and other public meetings.
- Environmental regulations require public notice inviting public comments on Proposed Plans.
- The Army welcomes public questions and comments on the cleanup work conducted at RVAAP. The Website provides contact information and currently has a survey concerning the Website itself.
- Website makes information more accessible.

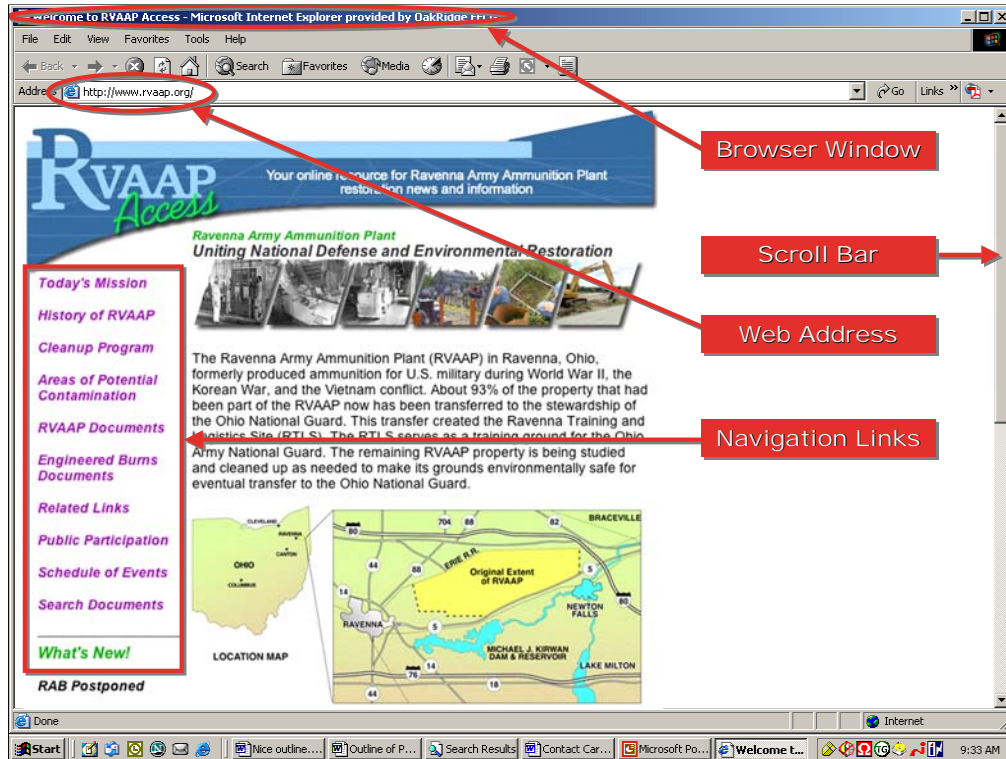


Advantages of Website

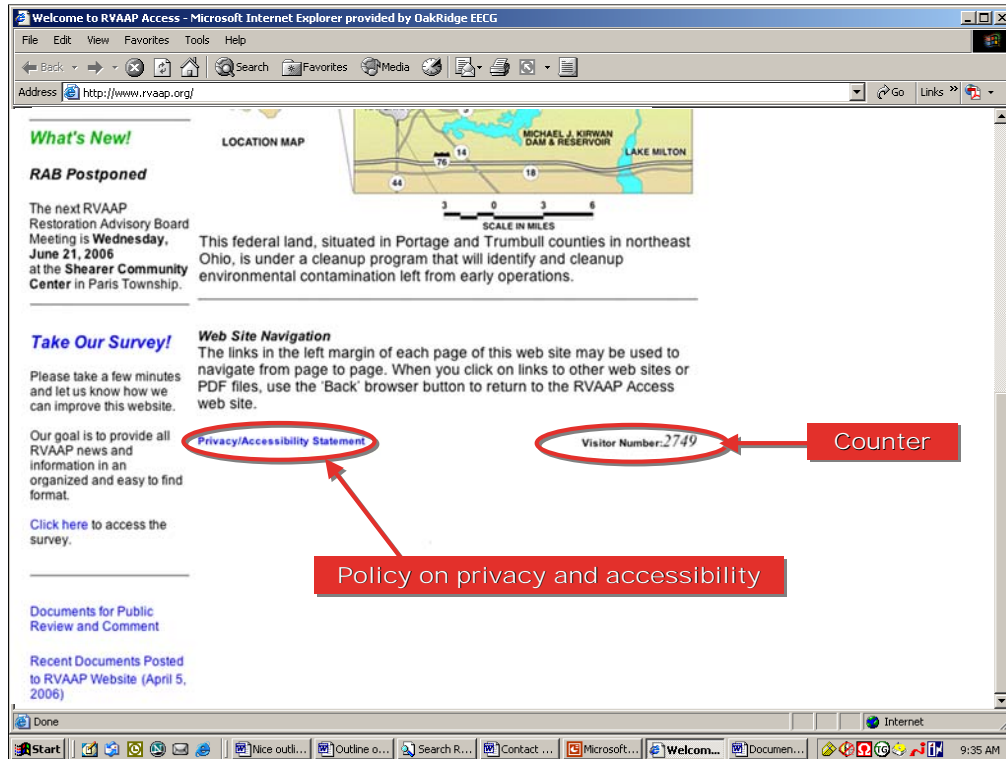
- Makes information available to all
- Makes information available quickly
- Save trees and publication costs
- Saves on postage and handling costs
- Saves shelf space
- Electronic backup keeps data safe

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- Hundreds of documents have been produced to support the cleanup work at Ravenna.
- Some documents are issued several times to accommodate reviews and revisions.
- Some of the larger documents may occupy two or more feet of shelf space.
- Paper copy documents can be destroyed by fire or flood. Electronic backup allows data to be stored economically in multiple locations.



- You need a computer with Internet access to see the RVAAP Website.
- The Website has been tested but let us know if you have trouble accessing the Website.
- Enter the address of the RVAAP Website in the address bar:
www.rvaap.org.
- When you enter the Web address, the “Home” page appears. This page provides general information about RVAAP and provides links to other pages that contain information about specific topics.
- We call these links navigation because they help move around the Website. You will see these same links on other Website pages.
- You are seeing only the top of the page. Use the scroll bar at the right of the page to move down the page.



- At the bottom of the Home page, we put links to the most recent information so that you will know what is new on the Website. We generally update the Website monthly with new information.
- Typically this part of the Webpage will list:
 - information about the next RAB meeting,
 - documents currently available for review and comment, and
 - any documents recently added to the collection.
- This page has a link to a statement about privacy and accessibility. We follow Army policy that forbids collecting any information about those who visit the Website. (For those familiar with the terminology that means we do not save “cookies”.) We do count how many people visit the Website, so that we know that it is being used.



Your online resource for Ravenna Army Ammunition Plant restoration news and information

Ravenna Army Ammunition Plant
Uniting National Defense and Environmental Restoration

Today's Mission

History of RVAAP

Cleanup Program

Areas of Potential Contamination

RVAAP Documents

Engineered Burns Documents

Related Links


Public Participation

Schedule of Events

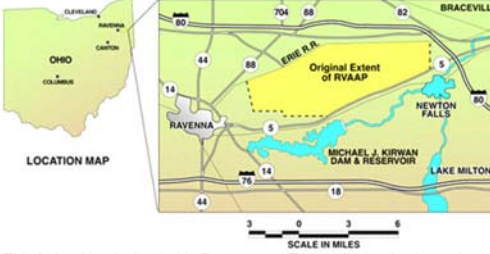
Search Documents

What's New!

RAB Postponed



The Ravenna Army Ammunition Plant (RVAAP) in Ravenna, Ohio, formerly produced ammunition for U.S. military during World War II, the Korean War, and the Vietnam conflict. About 93% of the property that had been part of the RVAAP now has been transferred to the stewardship of the Ohio National Guard. This transfer created the Ravenna Training and Logistics Site (RTL). The RTL serves as a training ground for the Ohio Army National Guard. The remaining RVAAP property is being studied and cleaned up as needed to make its grounds environmentally safe for eventual transfer to the Ohio National Guard.




The next RVAAP Restoration Advisory Board Meeting is **Wednesday, June 21, 2006** at the **Shearer Community Center** in Paris Township.

This federal land, situated in Portage and Trumbull counties in northeast Ohio, is under a cleanup program that will identify and cleanup environmental contamination left from early operations.

Click link to view page on history

- If you want to learn about the history of the Ravenna Army Ammunition Plant, you click on the “History of RVAAP” link in the navigation panel.



History of RVAAP

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At the onset of World War II, the Ravenna Army Ammunition Plant (RVAAP) was built to produce large-caliber artillery projectiles and bombs. Although RVAAP downsized after WW II, plant production lines were reactivated during the Korean War and the Vietnam conflicts. Additionally, the plant conducted nearly continuous demilitarization of war stocks, refurbishment of inventoried ammunition, and minor research and development projects through 1992.





The Department of Defense established the Installation Restoration Program (IRP) to provide guidance and funding for the investigation and cleanup of hazardous waste sites caused by historical disposal activities at military installations. The Army began working under the IRP in 1989 to eliminate or reduce to prescribed, safe levels any potential risks at RVAAP.

In 1992, the installation's status changed from "inactive but maintained" to that of "caretaker." The Army transferred control and operation of 19,938 acres of uncontaminated land to the National Guard Bureau in a series of agreements from May 1999 to March 2002. The remaining acreage is under restoration and will be transferred to the National Guard when cleanup is complete.



[RVAAP 1940s Photo Album](#)

For more history on RVAAP, see [Installation Action Plan](#)  [try section](#) in the Installation Action Plan.



All documents are in Adobe PDF format. Please download the Acrobat Reader, free of charge, by clicking on the icon at left.

Click link to see photos

- This page has text about the history of RVAAP plus links to pictures and more information in the *Installation Action Plan*.
- Let's look at the photo collection by clicking on the Photo album link.

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Historic Photo Gallery




Boxes of TNT are received and taken to production areas via push trucks.










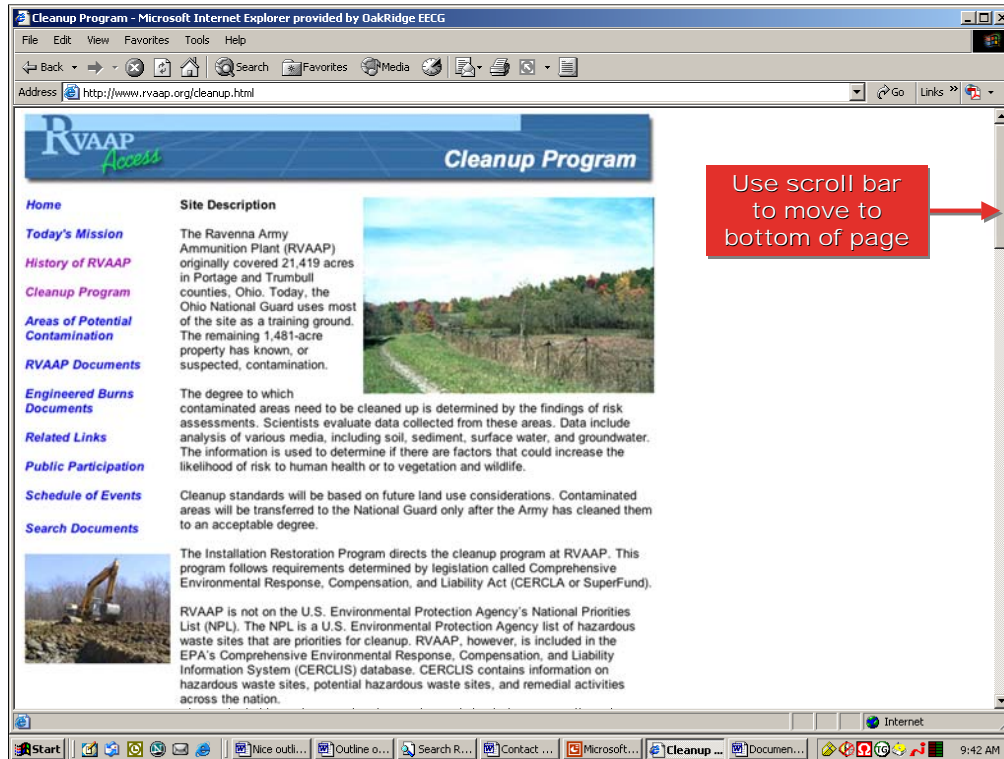




Click on thumbnail for larger image and caption.
[Return to RVAAP History.](#)

Click link to see Cleanup Program

- This page works like a slide show by clicking the forward and back arrows next to the big picture or you can click on an individual little picture to enlarge it.
- Let's click on the Cleanup Program link to learn more about the cleanup at RVAAP.



- This page has text that describes the cleanup program, links to US EPA Webpages with general information about the the requirements of the environmental regulations, photos of the cleanup at RVAPP, and a list of areas of potential contamination.
- Use the scroll bar to work down the page.
- If you want to make sense of the alphabet soup of environmental acronyms, come to this page.



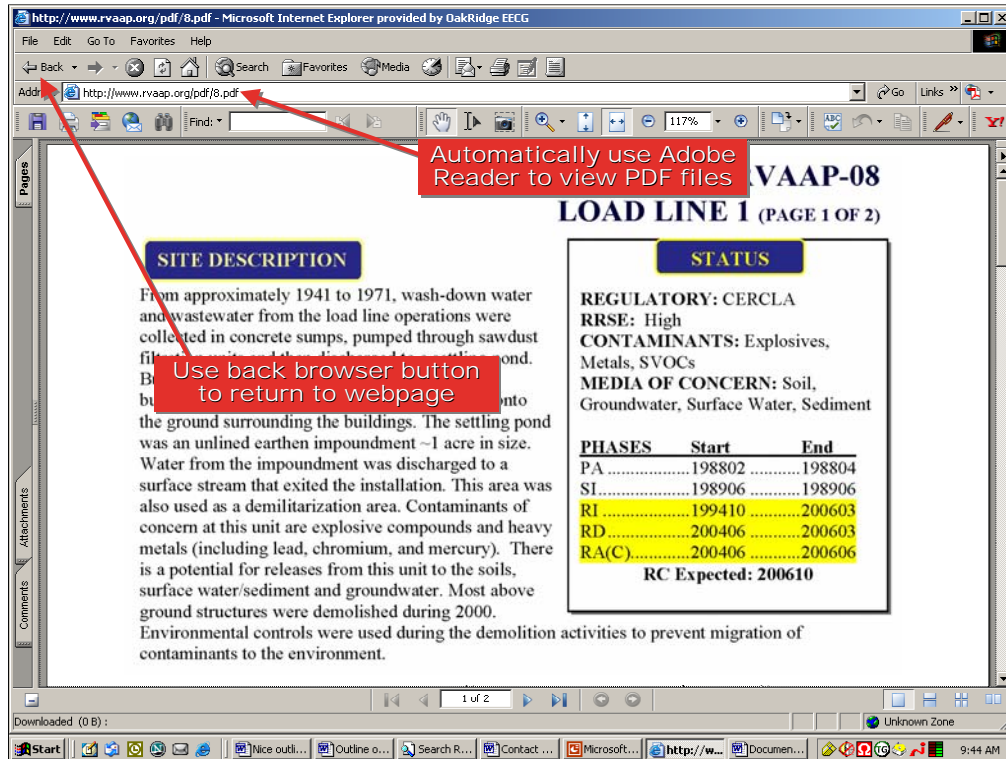
RVAAP Cleanup Progress Photo Album

The following table provides summary information about each area of potential contamination. Click on the name of the area found in the second column to link to a description of the area from the Installation Action Plan in PDF format.


Area	Area of Potential Contamination	Status	Historical Use	Acres
1.	Ramsdell Quarry Landfill	Under study	Landfill	10
2.	Erie Burning Grounds	Under study	Burn explosives	35
3.	Open Demolition Area #1	Some unexploded ordnance (UXO) removed; No Further Action (2003)	Detonate explosives	6
4.	Open Demolition Area #2	Some unexploded ordnance (UXO) removed; additional study needed	Detonate explosives	25
5.	Winklepeck Burning Grounds	Soil and UXO removal planned	Burn explosives	200
6.	C Block Quarry	Additional study needed	Dispose waste	0.3
7.	Bldg 1601 Hazardous Waste Storage	Not under IRP		
8.	Load Line 1	Under study	Load explosives	160
9.	Load Line 2	Under study	Load explosives	212
10.	Load Line 3	Under study	Load explosives	174
11.	Load Line 4	Under study	Load explosives	129
12.	Load Line 12	Under study	Load explosives	75
13.	Building 1200	Under study	Demilitarize explosives	
14.	Load Line 6 Evaporation Unit	Not under IRP		
15.	Load Line 6 Treatment Plant	Not under IRP		
16.	Fuze & Booster Quarry Landfill/Pond	Under study	Burning/landfill	45
17.	Deactivation Furnace	Not under IRP		
18.	Load Line 12 Pink Waste Water Treatment	Not under IRP		
19.	Landfill North of Winklepeck Burning Grounds	Additional study needed	Landfill	10

Click link to see information about area

- The Army numbered the areas of potential contamination as they were identified so that the Army could track the status of each as the study and cleanup process proceeded.
- Let's look at the information about Load Line 1 as an example of an area of potential contamination. Notice that it is area number 8.



- Clicking on the link automatically started Adobe Reader.
- Most documents available from the Website are stored as Portable Document Format (PDF) files. This format was chosen because it produces a picture on the screen that looks just like the pages in the paper copy document.
- These files can be viewed with the Adobe Reader program which is available free from Adobe.
- If you do not have Adobe Reader there are several places on the Website with a link to the Adobe Website. You can download the latest version of Adobe Reader.
- We are looking at a PDF document that is the portion of the Installation Action Plan that describes the past, present, and future cleanup work expected at Load Line 1.
- Click the 'Back' browser button to go back to the Website. If you click the "X" button to close the Adobe Reader window, you will close the Web browser and will need to open the Website again.




Cleanup Program

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Site Description

The Ravenna Army Ammunition Plant (RVAAP) originally covered 21,419 acres in Portage and Trumbull counties, Ohio. Today, the Ohio National Guard uses most of the site as a training ground. The remaining 1,400-acre property has known, or suspected, contamination.




The degree to which contaminated areas need to be cleaned up is determined by the findings of risk assessments. Scientists evaluate data collected from these areas. Data include analysis of various media, including soil, sediment, surface water, and groundwater. The information is used to determine if there are factors that could increase the likelihood of risk to human health or to vegetation and wildlife.

Cleanup standards will be based on future land use considerations. Contaminated areas will be transferred to the National Guard only after the Army has cleaned them to an acceptable degree.

The Installation Restoration Program directs the cleanup program at RVAAP. This program follows requirements determined by legislation called Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or SuperFund).

RVAAP is not on the U.S. Environmental Protection Agency's National Priorities List (NPL). The NPL is a U.S. Environmental Protection Agency list of hazardous waste sites that are priorities for cleanup. RVAAP, however, is included in the EPA's Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database. CERCLIS contains information on hazardous waste sites, potential hazardous waste sites, and remedial activities across the nation.



Click link to see map

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- Scroll back up to the top of the page and click on the “Areas of Potential Concern” link in the navigation panel to see a map of the areas at RVAAP.

Areas of Potential Contamination

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The contamination at Ravenna Army Ammunition Plant (RVAAP) originated from past production of munitions and the demilitarization of these munitions. Production at Ravenna took place in 12 areas known as load lines. The activities at these load lines resulted in releases to soils, ditches, and ponds around the load lines buildings. Other contamination sites include landfills, testing facilities, dumps, burial sites, a pistol range, storage facilities, a scrap yard, and decontamination buildings. The load lines and other sites are identified as areas of potential contamination. There are 51 areas of potential contamination at RVAAP.


Although not present at every one of these areas, the contaminants may include primary and secondary explosives, propellants, heavy metals, and semi-volatile organics, polychlorinated biphenyls (PCBs), and pesticides.

Click on the area number on the map below to link to a description of the area from the Installation Action Plan in PDF format. This information about each area of potential contamination may also be accessed from the table at the bottom of the Cleanup Program web page.

Click link to see documents

Area #8 is Load Line 1

- The numbers on this map correspond to the area numbers on the previous page.
- Remember that Load Line 1 was area number 8. We see that it is toward the eastern end of the property.
- You may also click on any number on this map to see the information about that area.
- Most of the property that you see is now under the care of the Ohio National Guard as part of the Ravenna Training and Logistics Site. Only the specific areas that require further study or cleanup are now part of the Ravenna Army Ammunition Plant.
- Now let's click on the 'RVAAP Documents' link to see the documents related to Load Line 1.



RVAAP Documents

Home

Copies of recent documents that relate to the environmental cleanup at Ravenna Army Ammunition Plant (RVAAP) are listed here. These documents may be downloaded or printed by clicking on the PDF files provided below.

Today's Mission

History of RVAAP

- Installation Action Plan
- Community Relations Plan (PDF)
- Documents by Publication Date
- Documents by Study Area
- Documents for Public Review

Cleanup Program

Areas of Potential Contamination

RVAAP Documents

These documents are also available to any interested reader at [Reed Memorial Library](#) (167 East Main Street, Ravenna) and at the [Newton Falls Public Library](#) (204 South Canals, Newton Falls).

Engineered Burns Documents

The Administrative Record is a legal file containing any documents related to RVAAP cleanup. Its purpose is to provide the public with access to site information so they can be informed on the cleanup program. A copy of the administrative record is held by the RVAAP Facilities Manager and is located at:

Related Links


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Search Documents

Ravenna Army Ammunition Plant
 Building 1037 Conference Room
 8451 St. Route 5
 Ravenna, Ohio 44266-9297

Because the Administrative Record is kept at RVAAP, access to the building is restricted, but it can be obtained with advance notice by calling Irv Venger at (330) 358-7311.



All documents are in Adobe PDF format. Please download the Acrobat Reader, free of charge, by clicking on the icon at left.

Click link to see documents by area

Link to Adobe

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- We have organized the documents in two ways to make them easier to find. The Website has a document list by date published and one by study area.
- In this case, we know the study area that we are interested in, so we will click on the link to the list by study area.
- Before we go, notice that this page lists location of the Information Repositories at the Reed Memorial and Newton Falls Libraries. The official Administrative Record is maintained at the RVAAP. I will distribute cards at the end of the meeting that have the addresses of these repositories.
- All of the documents are in PDF format. Note that this page has a link to the Adobe Website so that you can download the Adobe Reader software if you do not already have it.

RVAAP Documents by Area

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Click on area for document list.

RVAAP Site-wide Documents

RVAAP-01 Ramsdell Quarry Landfill

RVAAP-02 Erie Burning Grounds

RVAAP-03 Open Demolition Area #1

RVAAP-04 Open Demolition Area #2

RVAAP-05 Winklepeck Burning Grounds

RVAAP-08 Load Line 1

RVAAP-09 Load Line 2

RVAAP-10 Load Line 3

RVAAP-11 Load Line 4

RVAAP-12 Load Line 12

RVAAP-13 Building 1200

RVAAP-16 Fuze and Booster Quarry Landfill/Pond

RVAAP-17 Deactivation Furnace

RVAAP-18 Load Line 12 Pink Waste Water Treatment

RVAAP-19 Landfill North of Winklepeck Burning Grounds

RVAAP-28 Mustard Agent Burial Site

RVAAP-29 Upper and Lower Cobbs Ponds

RVAAP-37 Pesticide Storage Building T-4452

RVAAP-38 NACA Test Area

RVAAP-49 Central Burn Pits

[Return to Documents](#)

RVAAP Site-wide Documents [\(Back to top\)](#)

Final Facility-Wide Biological and Water Quality Study 2003

Ravenna Army Ammunition Plant November 2005

Click link to see Load Line 1 documents

- We click on the "Load Line 1" link to take us to the part of the list with Load Line 1 documents.

RVAAP-08 Load Line 1 ([Back to top](#))

[Proposed Plan for the Remediation of Soils at Load Lines 1 through 4 at the Ravenna Army Ammunition Plant Ravenna, Ohio, July 2005.](#)

[Final Supplemental Baseline Human Health Risk Assessment for Load Line Alternative Receptors at RVAAP. Jul-2004](#)

[Final Revised Final Technical Memorandum Human Health and Ecological Risk Assessment Approach for the Load Line 1 and Load Line 12 Phase II Remedial Investigations at RVAAP. Aug-2002](#)

[Final Sampling and Analysis Plan Addendum No. 2 for the Phase II Remedial Investigation of Load Line 1 at RVAAP. Sep-2000](#)

[Sampling and Analysis Plan and Site Safety and Health Plan Addendum No. 1 for the Phase II Remedial Investigation of Load Line 1 at the Ravenna Army Ammunition Plant, Ravenna, Ohio, DACA27-97-D-0025, DO 0005. August 1999](#)

[Phase II Remedial Investigation for the Load Line 1 at the Ravenna Army Ammunition Plant, Ravenna, Ohio. DACA62-00-D-0001, DO CY09, Final. June 2003.](#)



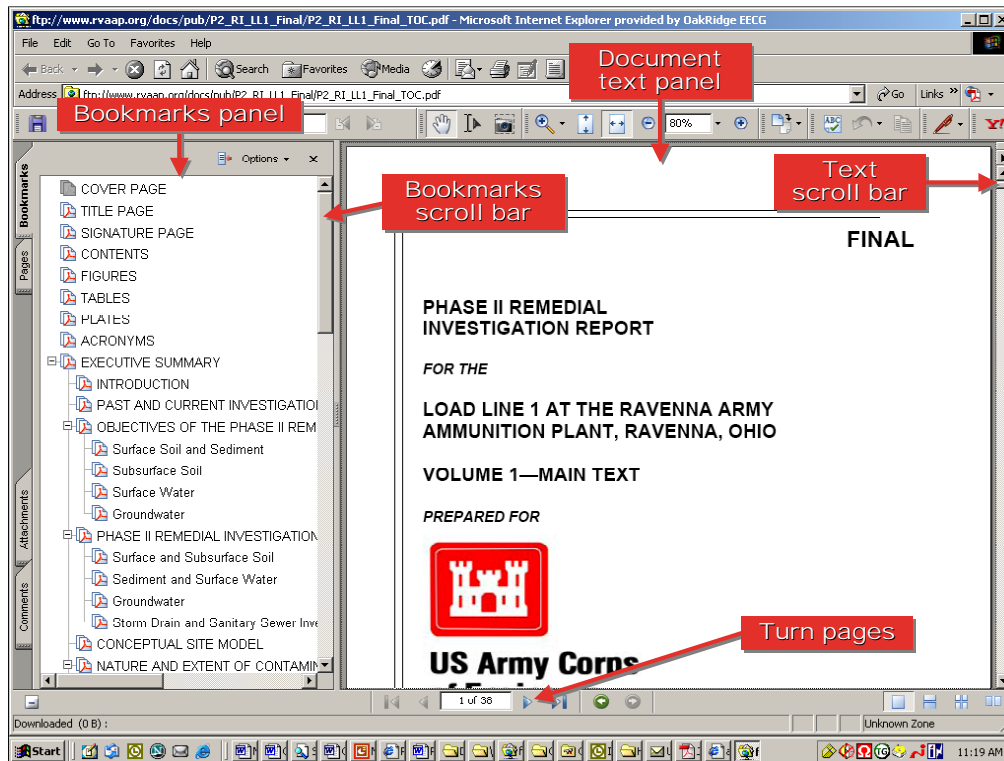
Click link to see specific report

[Phase I Remedial Investigation Report for High Priority Areas of Concern at the Ravenna Army Ammunition Plant, Ravenna, Ohio. Final. February 1998](#)

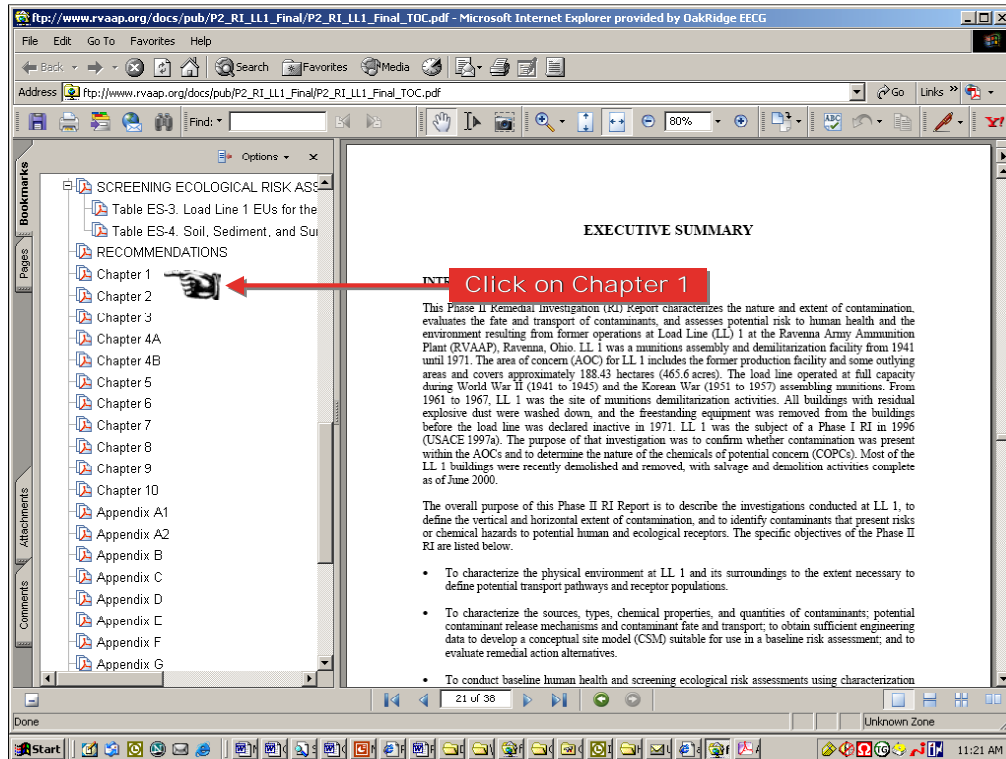
[Final Public Meeting Briefing Phase I Remedial Investigation of High Priority Areas of Concern at the Ravenna Army Ammunition Plant. Sep-1997](#)

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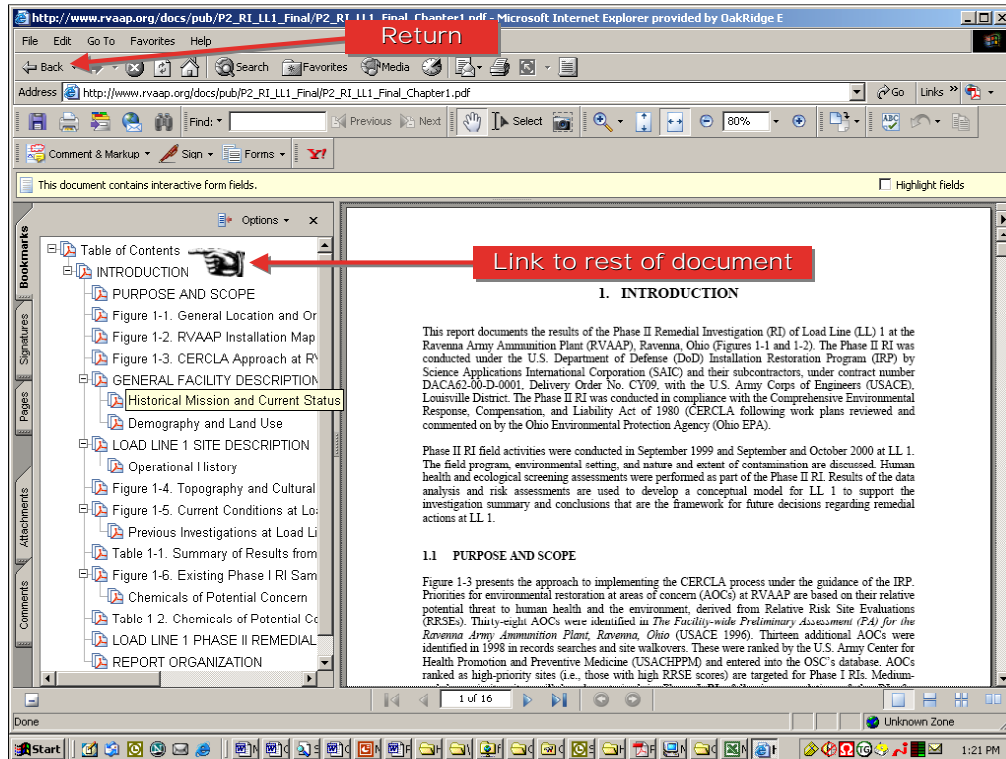
- Let's select the Phase II Remedial Investigation for the Load Line 1 because this is a good example of a fairly large report.




- We are once again looking at a PDF file with Adobe Reader.
- The text is in the panel at the right. It has a scroll bar at the right to let you move down through the document. You can also turn pages one at a time with the arrows at the bottom of the box.
- The bookmarks panel is like a table of contents with links that let you jump to other parts of the document. The bookmarks panel also has a scroll bar that lets you scroll down through the list.
- I told you that this was a large document. You may notice that it has only 38 pages. That is because this document has been broken into smaller pieces so that it will display more quickly on your computer.
- The various pieces are linked through the bookmarks.
- So now let's look at Chapter 1.



- Scroll down through the bookmarks panel until you see the link for Chapter 1.
- Click on "Chapter 1" in the bookmarks panel.




- We are now viewing Chapter 1. Note that it only has 16 pages. The bookmarks are all links to parts of Chapter 1 except for the first one which takes us back to the table of contents for the entire document.
- If you want to print pages be careful to print only the pages that you need. Some documents may be quite long and libraries charge per page for printing.
- Use the Web browser 'Back' button to return to the Website.



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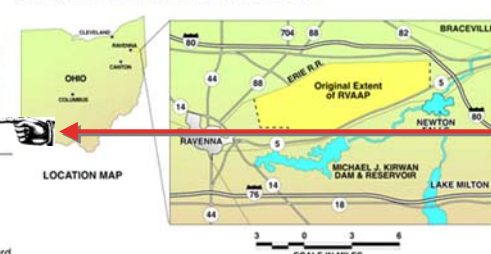
Search Documents

What's New!

RAB Postponed

The next RVAAP Restoration Advisory Board Meeting is **Wednesday, June 21, 2006** at the **Shearer Community Center** in Paris Township.

The Ravenna Army Ammunition Plant (RVAAP) in Ravenna, Ohio, formerly produced ammunition for U.S. military during World War II, the Korean War, and the Vietnam conflict. About 93% of the property that had been part of the RVAAP now has been transferred to the stewardship of the Ohio National Guard. This transfer created the Ravenna Training and Logistics Site (RTL). The RTL serves as a training ground for the Ohio Army National Guard. The remaining RVAAP property is being studied and cleaned up as needed to make its grounds environmentally safe for eventual transfer to the Ohio National Guard.



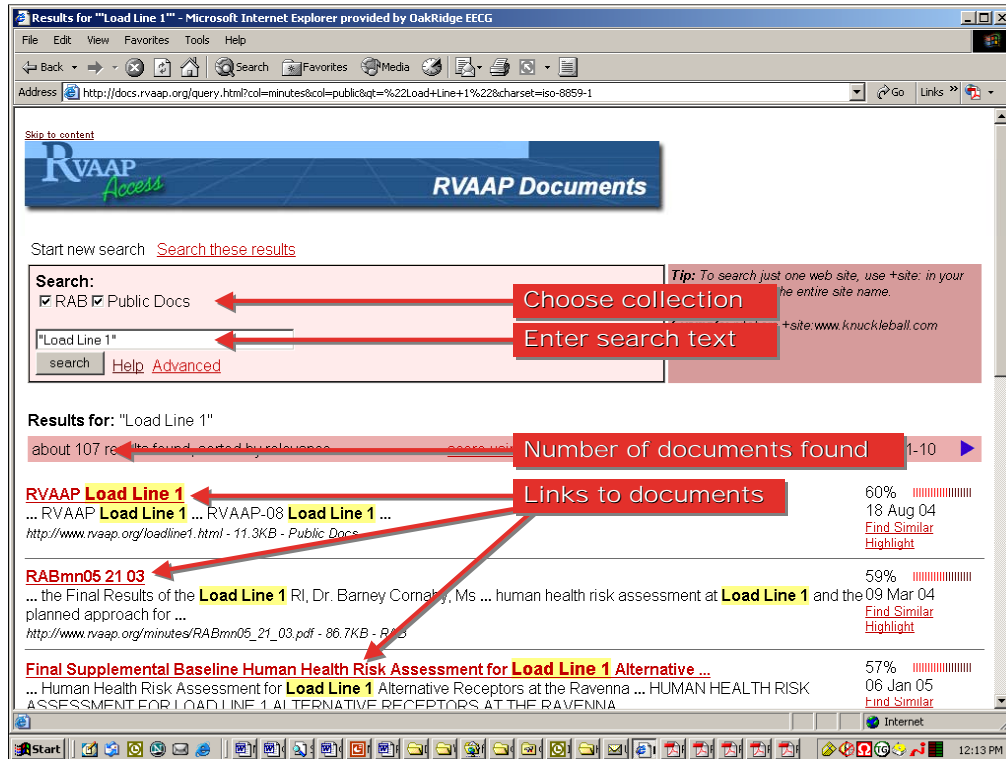
LOCATION MAP

Original Extent of RVAAP

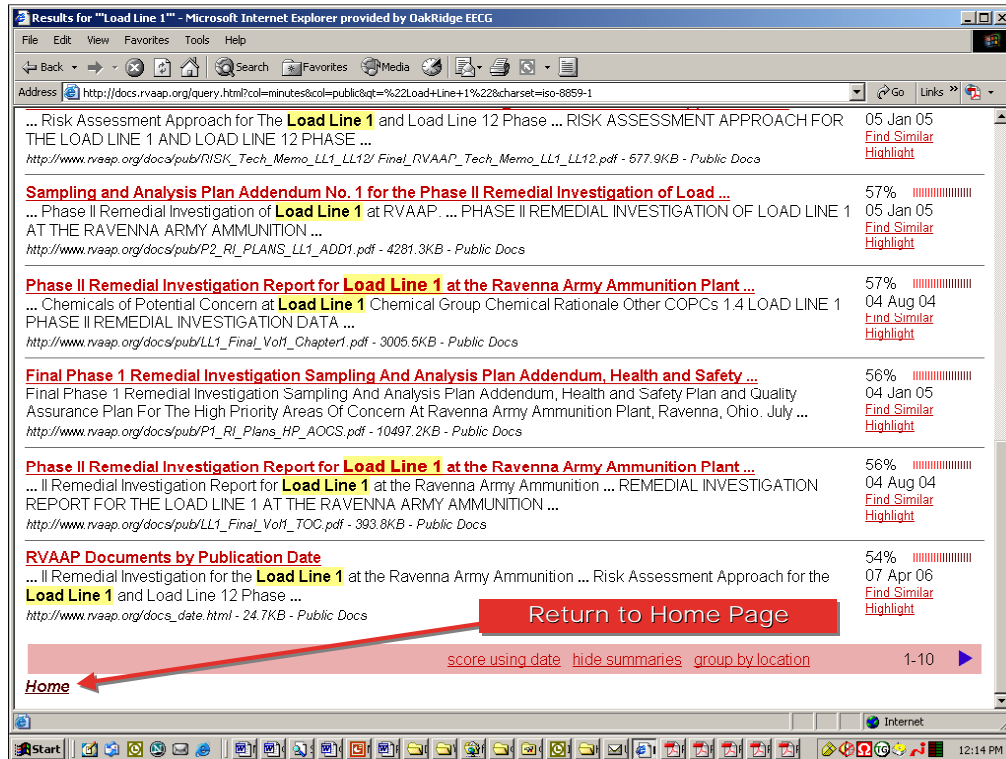
SCALE IN MILES

Click link to search for documents

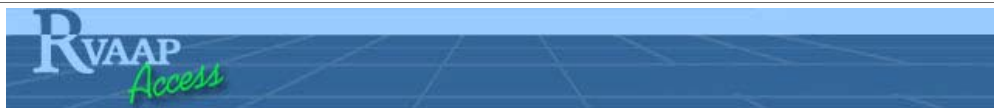
- Let's say you wanted to see every document that mentions Load Line 1, not just those that have it as the primary topic. The Website also has a search tool that lets you find everywhere a specific word or phrase is mentioned.
- Click on the "Search Documents" link.



- Choose a collection of documents. You can limit your search to just RAB minutes and agenda or search all documents.
- Enter a word or phrase in the search box. Put a phrase in quotes or else it will search for each word individually. If you click on the “Help” or “Advanced” buttons you will see more directions and learn how to perform more complicated searches.
- In this example, we have entered “Load Line 1” in quotes and hit the “Search” button.
- The pink bar at the top shows how many document were found. They are displayed 10 at a time. The scroll bar at the right lets you move down the page. Clicking the arrow on the pink bar displays the next page.
- Click on the highlighted link to view the document.



- At the bottom of each page is a link that will take you back to the Home page of the Website.



Summary

- The RVAAP Website has a lot of information.
- If you do not have a computer, visit the Information Repositories at:
 - Newton Falls Library-6 computers;
 - Reed Memorial Library- 18 computers.
- The Administrative Record at RVAAP has paper copy documents if you are more comfortable with that.
- If the Website is ever a problem for you, please let us know.
- Take our Website survey. We'd like to hear what you think.