



# Ravenna Army Ammunition Plant Ravenna, Ohio Community Relations Plan

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# **COMMUNITY RELATIONS PLAN**

## **Ravenna Army Ammunition Plant Ravenna, Ohio**

### **A. Overview of Community Relations Plan**

The U.S. Army Corps of Engineers, Louisville District has written this Community Relations Plan to facilitate communication between the community surrounding Ravenna, Ohio and the Ravenna Army Ammunition Plant (RVAAP) during environmental investigations and potential remediation actions. This plan identifies issues of community concern regarding the RVAAP and serves as a guide for public involvement goals and objectives.

Federal agencies develop community relations programs to be consistent with the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) Section 113(k)(2), as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA) and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). It is the policy of the Department of Defense to involve the local community in the environmental restoration process. These requirements are the basis for more comprehensive and effective community relations activities. By identifying the public's concerns, the Army is able to fashion a response that more effectively addresses the community's needs.

This plan describes how the public will be informed and involved in the investigation and potential remediation activities for the RVAAP. Included in this plan will be:

- Public Involvement Goals and Objectives
- Site Location, Description, Ownership and History
- Community Profile
- Community Relations Activities

The information in this plan is based on previous community activities and interviews conducted with the community and government officials.

#### **1. Public Involvement Goals and Objectives**

It is the goal of the RVAAP is to be honest, forthright, responsive, and clear in dealing with the public, elected officials, interest groups, and the media. It is important to nurture public participation in site activities for the RVAAP; increase public awareness of the program and its activities; decrease misunderstanding about environmental problems and potential dangers; and foster community trust in the Army's ability to perform this mission in the most effective and efficient manner.

## **B. Highlights of Community Relations Program**

The Community Relations Plan for RVAAP property is designed to allow the community to receive accurate and expeditious information concerning the ongoing investigations and activities involving the following key audiences:

### **1. Target Audiences**

- Restoration Advisory Board members
- Concerned citizens, residents, and community members
- News Media
- Elected and appointed officials
- Civic groups and businesses

### **2. Open Communication**

Promote and maintain a two-way dialogue between the community and the RVAAP. Inviting open and honest communications with the community enables the RVAAP team to understand and address stakeholder concerns about site investigation and possible remediation with specific attention to health, safety, and environmental issues.

### **3. Community Meetings, Activities, and Publications**

- Collect, evaluate and incorporate public opinion in project planning through community interviews, surveys and Restoration Advisory Board meetings;
- Publicize information regularly through news releases and newsletters;
- Establish a speaker's bureau utilizing key RAB members to spread the word about the progress of the environmental investigation at RVAAP;
- Established and update a Web site.

### **4. Media Relations**

Communication should be designed to provide accurate and expanded coverage about RVAAP in print and broadcast media. By giving regular tours of the RVAAP site to the media, and having an experienced facility manager serve as spokesperson, the RVAAP has benefited from established relationships with media. This has developed a confidence that an article would not appear without the RVAAP facility manager being contacted. To continue to receive accurate coverage, RVAAP facility manager should continue to:

- Educate media, especially any new reporters, about the historical and current site activities. A media kit can assist in providing accurate, timely information;
- Inform media about areas of environmental concern;
- Inform media about changes in activities and decisions relative to the investigation and remediation, including potential crises.

The objectives of the Army's community relations efforts include:

- Facilitate two-way communications between the community and the RVAAP team;
- Inform the community of the environmental progress at RVAAP;
- Involve the community in the process, so they may provide knowledgeable comments; and
- Develop and maintain relationships with media to report accurate, thorough stories about RVAAP.

## **C. Capsule Site Description**

### **1. Site Location, Description and History**

The Ravenna Army Ammunition Plant (RVAAP) occupies 21,419 acres in the northeast part of Ohio in Portage and Trumbull Counties. In 1940, the United States Government began construction of the \$61 million plant in Ravenna, Ohio. When the facility opened in 1941 during WWII, it provided an estimated 8,000 jobs.

The primary mission of RVAAP was loading medium and major caliber artillery ammunition, bombs, mines, fuses and boosters, primers, and percussion elements, as well as finished ammunition and ammunition components to support the troops at war and national defense efforts. At its peak, RVAAP operated 12 production lines and built more than 36 million bombs and shells and 420 million other munitions. Over 700 large bunkers were located at RVAAP, some of which were used for storing explosives.

Since its existence, the plant has fluctuated between inactive and active status, depending upon national events. During the Korean Conflict, the plant was reactivated for loading and packing of major caliber shells and components. In October 1957, the plant was placed in a standby condition. Rehabilitation work started in October 1960 to establish facilities in the ammonium nitrate line for the processing and explosive melt-out of bombs. In July 1961, the plant was again deactivated. In November, the installation was divided into an industrial portion named the Ravenna Ordnance Plant and the entire facility was designated Ravenna Army Ammunition Plant. In May 1968, RVAAP was used to load, assemble and pack munitions on three load lines and two component lines in support of the Southeast Asian Conflict. The facility was deactivated in August 1972.

Over the years, the RVAAP stored strategic and critical materials for various governmental agencies as well as received, stored, maintained, transported, and de-militarized military ammunition and explosive items.

From 1974 to 1993, the Ravenna Army Ammunition Plant (RVAAP) was in the inactive-maintained status with the capability to load, assemble, and pack military munitions. In 1993, the mission of the RVAAP was changed from "inactive-maintained" to "modified caretaker status" (limited mission). The current Army mission is storage of bulk explosives and propellants.

The RVAAP has been an important part of the U.S. war and national defense efforts since the 1940's, and remains part of our national defense effort today. Since May 1999, the Ohio National Guard Bureau has operated a training facility on 16,164 acres of the property. In March 2002, a Memorandum of Agreement was signed to transfer another 3,774 acres to the National Guard with the remaining acreage to be transferred as the environmental restoration is completed.

## **2. Progress-to-Date**

Over the past nine years, the Ravenna Army Ammunition Plant has focused on environmental issues, identifying 51 areas of concern. Several of these 51 areas of concern are closed. Closed sites are either ineligible for this program or do not require remediation under Environmental Restoration, Army (ER,A). They also may have already been studied and remediated.

The extensive 21,419 acre facility was used for the disposal of explosive waste and ordnance by burning and detonating ammunition. The areas furthest along in the environmental investigation include Winklepeck Burning Grounds, Erie Burning Ground, and Cobbs Ponds.

Open burning was also a common practice that took place in pits, pads, and sometimes on the roads within the total 200-acre Winklepeck Burning Ground as well as the 35 acre Erie Burning Ground.. This was used primarily to desensitize and destroy explosive materials.

Wash-down water and wastewater from the Load Lines was collected in concrete sumps, then pumped through sawdust filtration units and discharged into a one-acre, unlined settling pond. In addition, it was common practice to steam clean the walls, ceilings, etc. of the various Load Lines, and to discharge "pink" (explosives contaminated water) out the door.

In 1996, sampling results from the Phase I Preliminary Assessment/Remedial Investigation Site Inspection identified 11 of 32 areas of concern as being high priority. The study indicated that Load Lines 1 through 4 and 12 were the most contaminated and required further evaluation. Contaminants of potential concern include primary and secondary explosives, propellants, heavy metals volatile and semi-volatile organics, PCBs, and pesticides. The 12 Load Lines were used for assembling and loading explosives for manufacturing fuzes, primer and boosters.

In 1999, three areas began a Phase I Remedial Investigation. These were Erie Burning Grounds, National Advisory Committee Aeronautics (NACA) Test Area and the Open Demolition Area #1. Erie Burning Ground is a 35-acre area that was used to burn obsolete conventional explosives and large explosive-contaminated items. The NACA Test Area was a 12.4 acre site used to test aircraft. The Open Demolition Area #1 is composed of 6 acres that were used for the purpose of thermal treatment where munitions were destroyed by burning and detonating the materials.

In 2000, a study on the Ecological Risk Assessment and additional field studies at Winklepeck Burning Grounds were conducted. The study compared the health of two ecological receptors; vegetation and small mammals at three burning pads. The pioneering study provided information to validate the ecological risk to the environment and resulted in a potential cost-avoidance of \$6 million. In 2000, a bioremediation (composting) pilot study demonstration was completed on soils primarily obtained from Load Line 12. A final bioremediation report was completed in 2003.

In 2001, fieldwork conducted at Load Lines 2, 3 and 4 indicated low levels of contaminants found in the groundwater. Load Lines 3, 4 and 12 discharged explosive waste into two unlined ponds; The Upper and Lower Cobbs Ponds. A Phase II Remedial Investigation at Upper and Lower Cobbs Pond sampled surface water, sediment and groundwater and found low levels of explosives in the sediment and no contaminants in the surface water.

More information on the progress of RVAAP's environmental investigation can be obtained in the Installation Action Plan, January 2003 located in the Information Repository.

### **3. Installation Restoration Program History**

The Installation Restoration Program is a congressionally authorized Department of Defense (DoD) program which began in 1984 for identification, investigation and remediation of past DoD waste releases at its installations in the United States. The DoD funds and manages the Installation Restoration Program and has delegated local management and implementation of remediation activities.

The Army's cleanup program under the Defense Environmental Restoration Program (DERP) is the Installation Restoration Program (IRP). The overall program goal of the IRP is to clean up previously contaminated lands to an acceptable level of risk on active Army installations as resources and mission requirements allow, with primary emphasis on those areas that may impact human health and the environment.

The Installation Restoration Program is similar to the U.S. Environmental Protection Agency's Superfund Program. The program fulfills the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and Superfund Amendments and Reauthorization Act (SARA). The Superfund Amendments and Reauthorization Act (SARA), enacted in 1986, amended CERCLA to require public involvement at certain stages of the environmental investigation. See chart below.

## Community Relations Responsibilities for CERCLA process

Community Relations Activities	REMEDIAL RESPONSE PHASES									
	PA	SI	ASR	Pre-Remedial Investigation	RI	FS	Proposed Plan	Pre-Record of Decision	ROD	Remedial Design, Remedial Action, and O&M
Contact State/Local Officials	D	R	R		R	R			D	D
News Release	D	D	D		D	D	D			D
Workshops		D	D		D	D				
Community Interviews				D	D					
Community Relations Plan		R	R	R	R	R	R	R	R	R
Determine need for Restoration Advisory Board (RAB)					R					
Initiate and Maintain the Admin Record	R	R	R	R	R	R	R	R	R	D
Establish Information Repository and Inform Public		R	R	R	R	R	R	R	R	
Publicize Technical Assistance Opportunities				R						
Fact Sheets	D	D	D	D	D	D	R			R
Public Notice			R		R		R		R	
Public Meeting			D				R			
Public Comment Period (30-60 days)			R				R			
Responsiveness Summary			R					R		
Revise Proposed Plan (1)								R		
Second Comment Period (30-60 days) (1)								R		
Revise Community Relations Plan				R	R	R	R	R	R	R

**D = Desirable      R = Required**

PA= Preliminary Assessment

SI= Site Inspection

ASR= Archive Search Report

RI=Remedial Investigation

FS= Feasibility Study

ROD= Record of Decision

Proposed Plan=Recommended Cleanup Alternative

O&M= Operation and Maintenance

The DoD has been and still is engaged in manufacturing activities that involve toxic and hazardous materials. Due to past waste and resource management practices at some current and former DoD installations, some facilities are contaminated with chemicals or hazardous compounds associated with operating and maintaining military equipment. This prompted DoD to address past, current, and future hazardous waste operations, with the goal to eliminate any threat to human health and the environment posed by previously discarded hazardous materials.



## **D. Community Background**

### **1. Community Profile**

In 1808, Portage County, Ohio was organized from Trumbull County. Today, the 492.4 square miles that make up Portage County has a population of 152,061 according to the US Census Bureau in 2000. Portage County is located in northeast Ohio, a forty-five minute drive south of Cleveland, Ohio. The Ravenna Arsenal opened in 1940, covering 21,419 acres of land surrounded by Ravenna, Charlestown, Paris, Newton Falls, Freedom, Windham and Braceville Townships. The facility provided much needed jobs to Portage and Trumbull counties. It supplied immeasurable munitions to the U.S. troops abroad during WWII. The community witnessed an industrial boom with founding companies such as the Enduro Rubber, Duracote and Allen Aircraft.

Today, Portage County employment has shifted from manufacturing jobs to 68.1 percent service and other jobs. The unemployment statistics show the unemployment rate for Portage at 4.0 percent which is .2 percent lower than the 4.2 percent for the State of Ohio. The percentage of Caucasians is 94.4 percent with African Americans making up 3.2 percent and American Indians, Alaska Natives and others making up the remaining 2.4 percent. The majority of Portage County, Ohio residents (71.3 percent) own their own home.

The median household income based on 1999 estimate is \$44,347 with 2.56 persons per household. Only 9.3 percent of the population in Portage County is living below the poverty level.

Known locally as the "Arsenal" or the "Ravenna Arsenal," the site is the subject of local myths based on its historical use and secrecy during the war efforts. Area residents have long speculated that a big airport sits within the site, that nuclear materials are there and that the "Arsenal" was something of a toxic landfill. They believed that more contamination exists there than could ever be addressed or suspect that there is more contamination than is actually known to exist. Through the activities of the Restoration Advisory Board (RAB) and continual dissemination of information to the community, the misconceptions and secrecy surrounding RVAAP has been significantly reduced or dispelled.

The Portage County Historical Society obtained items that were part of the bowling alley from the Recreation Hall and other declassified materials and artifacts from the Ravenna Arsenal. In May, 2001, the Ravenna Arsenal opened the area for a one day historical tour to view some of the old arsenal buildings.

### **2. Chronology of Community Involvement**

Initially, residents living near the almost 22,000 acre site expressed concerns relating to cancer, prompting the Ohio EPA to test 25 residential wells. The private wells were tested in November 1997 and again in March 1998. No explosives contamination was detected in any of the private wells. Other environmental concerns include the area wildlife and whether all contamination risks are present, which may determine the course of cleanup.

In 1996, a survey was mailed and articles appeared in the local newspapers to solicit interest in forming a Restoration Advisory Board (RAB). A selection committee reviewed the applications and chose the new RAB members. The RVAAP Restoration Advisory Board was established with 25 members consisting of community members and appointed representatives. The RAB has a representative from each of the surrounding six townships (Braceville, Newton Falls, Paris, Charlestown, Freedom and Windham), two county representatives (Trumbull and Portage), a representative of the Ohio EPA, and the Army installation facility manager who serves as Co-Chair. The RAB held its first meeting on November 13, 1996 and has had 32 meetings as of September 2003.

The purpose of the RAB is to promote community involvement in the Department of Defense environmental cleanup activities and allow the public to review and discuss the progress with decision makers. The RAB rotates its quarterly meetings between the township halls located in Paris, Freedom, Windham and Charlestown. Meetings are usually held the third Wednesday of the month from 6 p.m. to 8 p.m. and a news release announcing the meeting is sent to the local media. The public is invited to attend the RAB meetings which are structured to include presentations and questions and answers. The meetings are recorded and minutes prepared and approved by the board. These are available for review in the Information Repositories located at Reed Memorial Library and Newton Falls Public Library.

Technical Assistance for Public Participation (TAPP) in Defense Environmental Restoration Activities was established to assist the RAB in reviewing technical documents. This assistance, enhances their RAB's understanding of the environmental process, and provides an outside independent source of information on the Department of Defense restoration activities occurring at RVAAP. The RVAAP was deemed eligible for funding for a TAPP provider; and Creative Solutions was selected. Currently, the TAPP contractor is URS.

To continue to keep the RAB and the media aware of the environmental activities, tours of specific areas of concern have usually been held in July or August. The first tour was held in October 1996. Subsequent tours have been held in 1999 for Erie Burning Ground, in 2000 for Winklepeck Burning Grounds, Demolition Area #2, and Load Line 12, 2001 for Cobbs Pond, Central Burn Pits, and Load Line #11. In 2002, the media and RAB toured Load Line #6, Load Line #2 and were able to view various ordnance that were produced at RVAAP that are inert, or had been detonated or burned. The tour for 2003 has been postponed until the fall. Overall, the tours received positive media coverage and enabled the RAB members to voice their approval of the environmental progress being at RVAAP.

### **3. Key Community Concerns**

Community interviews were held with 23 key stakeholders and RAB members, and where opinions are representative as trends, percentages are provided. The interviews indicate that the site management and its contractors, and other associated officials, have been successful in meeting the interested community's needs for information and involvement regarding RVAAP's environmental restoration. Many interviewees complimented the team, describing them as open and honest, forthright (22%), and making the best effort to perform their work well (39%), within their budgetary limitations (13%). Many expressed confidence and satisfaction in the team (65%).

The historic or current concerns expressed by members of the community include:

- Perceptions of a cancer cluster down gradient of the site. This was addressed by Ohio EPA and presented to the Restoration Advisory Board in 1998. The response indicated no linkage to site contamination could be established. Private well water concerns, which the Ohio EPA addressed by sampling. These concerns, however, continue to exist (30%);
- Dust from National Guard activities, which they responded to and have reduced the impact of that dust;
- A belief that there is too much contamination to ever be able to clean it all up and perhaps not all sources of contamination are known. Some citizens want all of the contamination cleaned up completely and some want a reasonable cleanup level to be attained that is protective of human health and the environment and then the process stopped (9%);
- Watershed drainage and river protection, or groundwater protection is desired; therefore cleanup activities are seen as beneficial for this purpose (26%);
- Contaminant cleanup is needed to benefit the health and safety of soldiers being trained by the National Guard (9%);
- Federal funding sources are limited and often it is not possible to complete a cleanup effort, or it has to be readdressed when more money becomes available (17%);
- It is rumored that steam lines covered with asbestos were removed, cut into sections, transported to Pennsylvania and buried in coal mines. There was concern that these may have been handled improperly;
- During explosive decontaminations, a 'boom' sound can create reactions, and one individual implied that perhaps there are those who are prone to try to sue for alleged damages, which was perceived as a nuisance;
- The National Guard may need more of the site cleaned up than the Army is able to accomplish, perhaps due to limited funding, prior to the Guard being able to take possession of the remaining property;
- There may be conflicts in usage because the Army has not completed their remediation efforts, yet the National Guard has already begun using the site.

The future use of the property is of concern to a number of area citizens. Some want the property to become a beneficial employment opportunity again such as becoming an industrial park, while others want it to be a preserve, encouraging unusual ecosystems to flourish (9%). Hunting and fishing (13%), and bird tours were mentioned as current local usages aside from National Guard training. Some citizens recognized that the property had changed ownership (in large part) to the National Guard (9%), and others thought the Army still owned it. Some wanted an arsenal again, and others anticipated that the property would be needed by the government to support some purpose as a result of heightened homeland security.

## **E. Communications Techniques and Actions**

### **1. Information Repository and Administrative Record File**

Current information and final documents are placed in the Information Repository and maintained by the RVAAP Facilities Manager. An **Information Repository** has been established at the following locations:

**Reed Memorial Library**  
167 East Main St  
Ravenna, OH 44266  
(330) 296-2827  
Hours: Mon-Fri 10am-9pm  
Sat 10am-6pm

**Newton Falls Public Library**  
204 South Canals  
Newton Falls, OH 44444  
(330) 872-1282  
Hours: Mon-Thurs 9am-8pm  
Fri-Sat 9am-5pm

The **Administrative Record File** is established and maintained by the RVAAP Facilities Manager and is located at:

**RVAAP**  
Building 1037 Conference Room  
8451 St. Route 5  
Ravenna, Ohio 44266-9297  
(330) 358-7311

Since the Administrative Record File is located at the installation, access is restricted, but can be obtained with prior notice.

### **2. Revised Community Relations Plan**

This Community Relations Plan will be revised as necessary, to update facts and verify information, assess the community relations program to determine whether the same or different approaches will continue to be taken, and to develop strategies to prepare the community for possible remediation activities at the former RVAAP.

### **3. Fact Sheets and Newsletters**

a. Comprehensive fact sheets will be developed as needed to easily convey information regarding the former RVAAP site and related issues. These can be distributed at RAB meetings, used in media kits for tours and posted on the Web site.

b. Newsletters have been prepared as site activities warranted and mailed to those on the site mailing list. Newsletters have been written and designed by a contractor on a quarterly or bi-annual basis. The four color newsletters have been well received by the community and have been recognized with awards. Newsletters created as needed are still the preferred method of communication and the best way to get updated environmental information on RVAAP to the community.

#### **4. Information Contact**

##### **a. Media Spokesperson and Point of Contact:**

Mark Patterson, RVAAP Facility Manager  
Building 1037  
8451 St. Route 5  
Ravenna, OH 44266-9297  
Office: (330) 358-7311  
Fax: (330) 358-7314

#### **5. Media Kit**

A media kit is prepared to distribute information to the media at a press conference, tour or prior to an event. This tool helps provide accurate, current information about the specific activity being publicized. The media kit is a folder containing:

##### **a. News Release or Media Advisory**

A news release outlines the major event, background information on RVAAP and lists a contact person. A media advisory addresses very briefly the Who, What, When, Where, Why of the event and a contact person to reach for more information.

**b. Fact Sheets** are prepared on a specific topic and should include facts supporting the topic. It is written in brief (usually no more than two pages) and provides concise information in simple terms.

**c. Newsletters** are developed to provide detailed information about an area of concern or give an update on the entire environmental investigation.

**d. Maps and photographs** can be included in the media kit. If using digital photographs, provide high resolution, high quality photographs on disk or CD.) A map is useful in identifying the areas of concern or where the event will be held.

**e. A Brochure** can be produced to address specific issue or provide general information about the RVAAP.

**f. A Business card** of media contact person should be included in the folder.

## **6. Web Site Development**

RVAAP is establishing a Web site to inform and educate the public about the historical use and environmental investigation. The public site should contain information about the history of RVAAP, a description of the environmental investigation and the areas of concern, previous newsletters, maps and photographs, a list of RAB members, meeting locations and dates and approved meeting minutes, a news page highlighting upcoming public activities, links to other relevant sites, final technical documents, a contact page, and a search option. The Web site should be updated as information changes.

## **7. News Releases and Press Conferences**

Currently, news releases announcing the Restoration Advisory Board meetings and inviting media on scheduled tours of the RVAAP site are sent to local media prior to the event. These should be sent on a timely basis and can be used to publicize other important environmental activities. Press conferences should be set up at RVAAP with designated speakers to promote key messages and publicize significant events.

## **8. Speaker's Bureau**

A speaker's bureau will be established to reach out to the community and provide information on the environmental progress at RVAAP. The speaker's bureau may consist of individuals from the RVAAP team or Restoration Advisory Board members that have extensive knowledge of the environmental activities and can accommodate a scheduled request. A simple, non-technical PowerPoint presentation should be developed to provide the groups with an overview of the RVAAP. Fact sheets or a newsletter with current information including the location of the Information Repositories, contact name and number, and RAB meeting dates should be prepared and distributed to groups.

**Ravenna Army Ammunition Plant  
Community Relations Plan  
Added-Value Comments**

**Newsletters:**

Several newsletters have been produced and distributed to approximately 200 people on the mailing list. The newsletters have been received well by their intended audience. However, it should be noted that there is a greater expense in creating four color publications versus two colors or black and white. It is recommended that future newsletters be printed in no more than two colors and that a zip code list be purchased to reach a wider area around the RVAAP.

**Speaker's Bureau:**

The Mahoney River Consortium, an environmental group focused on the river, would like to have a presentation about RVAAP made to their group.

**RAB Meetings:**

A few interviewees said they prefer formal presentations with Q&A's yet more said they preferred open, less formal style meetings. It was mentioned several times that the RAB meetings rotate locations, and that this was a good, fair way for each community represented; however, one person noted that the beginning time of 6 p.m. was difficult for him and a later start time would be preferred.

**Public Information:**

There was only one new 'idea' for public information: billboards on the streets! This could be used if there were something big to announce.

# **SAMPLE MEDIA ADVISORY**

## **HEADLINE** **Sub-Headline**

- WHAT:** Describe your event.
- WHEN:** Date and time of your event
- WHERE:** Location of your event including street address
- WHO:** Your spokesperson, local sponsors, key instructors and speakers listed here. You may also want to emphasize your desired audience (educators? parents? kids? teachers?) in order to help draw attendees.
- WHY:** Explain the reason you are holding your event, i.e. to highlight the benefits of your program to the local community; to hold a forum on the shortage of technology-ready teachers and what you are doing to address it. This is where you explain what the news hook is.
- CONTACT:** Insert name and phone number of people to be contacted for more information.

[www.yourwebsite.edu](http://www.yourwebsite.edu)



## NEWS RELEASE FORMAT

FOR IMMEDIATE RELEASE:

Contact:  
Contact Person  
Company Name  
Telephone Number  
Fax Number  
Email Address  
Web site address

### Headline

City, State, Date — Opening Paragraph (should contain: who, what, when, where, why):

Remainder of body text - Should include any relevant information to your products or services. Include benefits, why your product or service is unique. Also include quotes from staff members, industry experts or satisfied customers.

If there is more than 1 page use:

-more-

(The top of the next page):

**Abbreviated headline (page 2)**

Remainder of text.

(Restate Contact information after your last paragraph):

For additional information or a sample copy, Contact: (all Contact information)

Summarize product or service specifications one last time

Statement about site or boilerplate (try to do this in one short paragraph)

###

(indicates Press Release is finished)

## **APPENDIX - A**

### **Schedule of Activities**

#### **1996**

CERCLA Preliminary Assessment for the Ravenna Army Ammunition Plant (38 Sites)  
Action Plan for the Ravenna Army Ammunition Plant  
Facility-Wide Sampling and Analysis Plan and Facility-Wide Health and Safety Plan

#### **1997**

Final Report of the Phase I Remedial Investigation of 11 High-Priority Sites at the Ravenna Army Ammunition Plant  
Closure Plan for the Deactivation Furnace Area, Hazardous Waste Treatment Unit  
Topographic Mapping of the Entire Facility to 2' Contour

#### **1998**

RCRA Field Investigation Report for 5 Sites at the Ravenna Army Ammunition Plant  
Geophysical Investigation of the Suspected Mustard Agent Burial Site  
Demolition of Load Line 1

#### **1999**

Closure of Building 854, PCB Storage Building  
Closure of the Pesticide Mixing Building, S-4452  
Deactivation Furnace Buildings Demolished  
Closure of Building 1601, Hazardous Waste Storage  
Closure of the RCRA Winklepeck Burning Trays  
Closure of Buildings X-232 and W-221  
UXO/OE Removal to a Depth of 4' at the 1.5 Acre RCRA Unit at Open Demolition Area #2  
Initial Phase Report, Ramsdell Quarry Landfill Groundwater Investigation  
Environmental Information Management Needs Assessment  
New Areas of Concern Report

#### **2000**

Closure of Building T-5301  
Bio-Remediation Pilot Study at Load Line 12  
Fieldwork for the Phase II Remedial Investigation of Load Line 12  
Fieldwork for the Feasibility Study of the Winklepeck Burning Grounds  
Interim Removal of UXO and Obvious Surface Contamination from Open Demolition Area #1  
Revision of Facility-Wide Sampling and Analysis Plan and Facility-Wide Health and Safety Plan

**2001**

Fieldwork for the Phase I Remedial Investigation of the Central Burn Pits  
Fieldwork for the Phase II Remedial Investigation of Upper and Lower Cobbs Ponds  
Interim Removal Action at Load Line 11  
Fieldwork for a Phase I Remedial Investigation at Load Line 11  
Final Report of the Phase I Remedial Investigation of the NACA Test Area  
Final Report of the Phase I Remedial Investigation of Open Demolition Area #1  
Final Report of the Phase I Remedial Investigation of the Erie Burning Grounds  
Environmental Information Management Plan

**2002**

Draft-Final Ecological Field-Truthing Report of the Winklepeck Burning Grounds  
Fieldwork for the Phase II Remedial Investigation of Open Demolition Area #2  
Facility-Wide Ecological Risk Assessment Work Plan

**2003**

Thermal Decomposition of Wet Storage Igloos for Explosive Residue  
Thermal Decomposition of Load Line 6 for Explosive Residue  
Thermal Decomposition of Load Line 9 for Explosive Residue  
Final Report of the Phase II Remedial Investigation of Load Line 1  
Preliminary-Draft Reports of the Phase II Remedial Investigations of Load Lines 2,3,4  
Final Report of the Phase II Remedial Investigation of the Winklepeck Burning Grounds  
Conceptual Plan for a Facility-Wide Groundwater Monitoring Program Plan  
Draft Facility-Wide Human Health Risk Assessment Work Plan

## APPENDIX – B

### 1. Government Officials

#### a. Federal Legislators and Ohio Governor

**Governor Bob Taft**  
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Columbus, OH 43215-6617  
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Email: [governor.taft@das.state.oh.us](mailto:governor.taft@das.state.oh.us)

**Senator George Voinovich, R-Ohio**  
37 W. Broad St, Rm 310  
Columbus, OH 43215  
Office: (614) 469-6697  
Email: [Voinovich@senate.gov](mailto:Voinovich@senate.gov)

**Senator Michael DeWine, R-Ohio**  
Huntington Trust Building  
37 W. Broad St, Room 970  
Columbus, OH 43215  
Office: (614) 469-6774  
Fax: (614) 469-2982 or  
140 Russell Senate Building  
Washington, DC 20510  
Office: (202) 224-2315  
Fax: (202) 224-6519

#### b. State Legislators

**Senator Leigh E. Herington, D-28<sup>th</sup>  
D-68<sup>th</sup>**  
Senate Building  
Room #051, Ground Floor  
Columbus, Ohio 43215  
Office: (614) 466-7041  
[heringtonoffice@maild.sen.state.oh.us](mailto:heringtonoffice@maild.sen.state.oh.us)

**Representative Mary Taylor, R-43<sup>rd</sup>**  
77 S. High Street, 11th Floor  
Columbus, OH 43215-6111  
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Fax: (614) 644-9494  
Email Address: [district43@ohr.state.oh.us](mailto:district43@ohr.state.oh.us)

**Rep. Steven C. LaTouretts (R), 14th**  
2453 Rayburn House Office Bldg.  
Washington, DC 20515  
Office: (202) 225-5731

**Representative Tim Ryan (D),  
17<sup>th</sup> District**  
222 Cannon Office Building  
Washington, DC 20515  
Phone: (202) 225-5261  
Fax: (202) 225-3719  
Toll Free: (800) 856-4152

**Representative Kathleen Chandler,**  
77 S. High Street, 10<sup>th</sup> Floor  
Columbus, OH 43215-6111  
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Fax: (614) 644-9494  
Email: [district68@ohr.state.oh.us](mailto:district68@ohr.state.oh.us)

**City of Ravenna Health Commissioner**

Lynette Blasiman (330) 297-2163  
[lblasiman@ci.ravenna.oh.us](mailto:lblasiman@ci.ravenna.oh.us)

**APPENDIX – C**  
**Regulatory Agencies and Interested Parties**

**a. Ravenna Army Ammunition Plant:**

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Ravenna, OH 44266-9297  
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Fax: (330) 358-7314  
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**b. Army Environmental Center:**

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SFIM-AEC-CDN  
U.S. Army Environmental Center  
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Aberdeen Proving Ground, MD 21010-5401  
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Fax: (410) 436-1548  
[Joann.Watson@aec.apgea.army.mil](mailto:Joann.Watson@aec.apgea.army.mil)

**c. Ohio Army National Guard Ravenna  
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**Tim Morgan**  
(same address as above)  
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[timothy.morgan@oh.ngb.army.mil](mailto:timothy.morgan@oh.ngb.army.mil)

### **c. Portage County Officials**

Portage County Officials  
449 South Meridian Street.  
P.O. Box 1217  
Ravenna, Ohio 44266-1217  
Phone: (330) 297-3600  
Fax: (330) 297-3610

### **County Commissioners**

Christopher Smeiles, President  
Chuck Keiper, Vice President  
Maureen Frederick, Board Member

### **d. Ravenna City Officials**

City of Ravenna  
210 Parkway  
P.O. Box 1215  
Ravenna, OH 44266  
(330) 296-3864  
[www.ravenna-oh.com](http://www.ravenna-oh.com)

**Mayor Paul H. Jones**  
210 Park Way  
Ravenna, OH 44266  
(330) 296-3865  
(330) 297-2164 Fax

### **City Council Members**

Kevin Poland, Council President  
Paul H. Jones, Mayor  
Larry Shafer, At Large  
Joseph Bica, At Large  
Gene Brown, At Large  
John Tontimonia, Ward I  
Frank Seman, Ward II  
Jack Ferguson, Ward III  
Dick Leonard, Ward IV  
Kathy Halay, Council Clerk

### **Phone Number**

(330) 296-9122  
(330) 296-3864  
(330) 297-1923  
(330) 297-0204  
(330) 297-1995  
(330) 296-5235  
(330) 296-9222  
(330) 297-7320  
(330) 297-9265  
(330) 297-2155

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[lshafer@ci.ravenna.oh.us](mailto:lshafer@ci.ravenna.oh.us)  
[jbica@ci.ravenna.oh.us](mailto:jbica@ci.ravenna.oh.us)  
[gbrown@ci.ravenna.oh.us](mailto:gbrown@ci.ravenna.oh.us)  
[jtontimonia@ci.ravenna.oh.us](mailto:jtontimonia@ci.ravenna.oh.us)  
[fseman@ci.ravenna.oh.us](mailto:fseman@ci.ravenna.oh.us)  
[jferguson@ci.ravenna.oh.us](mailto:jferguson@ci.ravenna.oh.us)  
[dleonard@ci.ravenna.oh.us](mailto:dleonard@ci.ravenna.oh.us)  
[khalay@ci.ravenna.oh.us](mailto:khalay@ci.ravenna.oh.us)

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Fax: (614) 336-7154  
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**BRAC Office:**

**Tom Lederle**  
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**d. U.S. Army Corp of Engineers Contacts**

**U.S. Army Corps of Engineers,  
Louisville District:**

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**e. Environmental Regulators**  
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Mr. Floyd Banks  
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Ravenna, OH 44266

Mr. Joseph Beutler  
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Ravenna, OH 44266

Ms. Rebecca Carter  
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Mr. Robert Daugherty  
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Rootstown, OH 44272

Ms. Maureen Frederick  
Portage County Commissioners  
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Ravenna, OH 44266

Mr. Howard Furl  
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Mr. Mark Patterson,  
RVAAP Co- Chair  
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North Lima, OH 44452

Mr. Thomas Smith  
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Ravenna, OH 44266

Mr. Thomas Tadsen, Co-Chair  
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Kent, OH 44240-6342

Mr. Delbert Woloski  
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Newton Falls, OH 44444

Mark Zigmont  
Trumbull Co. Planning  
Commission, 2<sup>nd</sup> floor  
347 Northpark Ave.  
Warren, OH 44481

**APPENDIX – E**  
**Media List**

**Newspapers**

**Youngstown Publishing Co**

PO Box 714  
Youngstown, OH 44501  
(330) 744-5023  
(330) 744-5838 fax  
<http://www.business-journal.com/>

**Tribune Chronicle**

240 Franklin St SE  
Warren, OH 44483  
(330) 841-1600  
(330) 841-1717 Newsroom fax  
<http://www.tribunechronicle.com/>

**Record-Courier**

126 N Chestnut St  
Ravenna, OH 44266  
(330) 296-9657  
(330) 296-2698 fax  
<http://www.recordpub.com/>

**The Vindicator**

135 Pine Ave SE # 208  
Warren, OH 44481  
(330) 392-0176  
(330) 747-6712 Newsroom fax  
<http://www.vindy.com/>

**Associated Press**

44 E Exchange Street  
Akron, OH 44328  
(330) 762-3916

**Akron Legal News Inc**

60 S Summit Street  
Akron, OH 44308  
(330) 376-0917  
(330) 376-7001 fax

**TV Stations**

**WEWS TV ABC News Channel 5**

44 E Exchange St  
Akron, OH 44328  
(330) 434-0616  
(216) 431-3666 fax

**WVPX**

1 S Main Street  
Akron, OH 44308  
(330) 434-2323

**WVIZ PBS**

4300 Brookpark Rd  
Cleveland, OH 44134  
(216) 398-2800  
(216) 749-2560 fax

**WEAO TV Channel 49**

1750 Campus Center Dr  
Kent, OH 44240  
(330) 677-4549  
(330) 678-0688 fax  
<http://www.ch4549.org/>

**WBNX – WB**

2690 State Rd  
Cuyahoga, OH 44223  
(440) 843-5555  
(330) 929-2410 fax

**WOIO- CBS**

1717 E 12<sup>th</sup> Street  
Cleveland, OH 44114  
(216) 771-1943  
(216) 436-5460 fax

**WYTV – ABC**

3100 Shady Run Road  
Youngstown, OH 44502  
Station: (330) 783-2930  
Fax: (330) 782-8154

## **Newspapers cont'**

### **Akron Beacon Journal**

44 E Exchange St  
Akron, OH 44328  
(330) 996-3600  
(330) 376-9235 fax  
<http://www.ohio.com/bj/>

## **Radio**

### **WJMP**

2449 State Route 59  
Ravenna, OH 44266  
Station: (330) 678-1520

### **WAPS 91.3 - Quality Rock**

Public Radio  
65 Steiner Avenue  
Akron, OH 44301  
Office: 330-761-3099  
Studio: 330-761-9277  
Fax: (330) 761-3240

### **WNIR - 100 - Talk**

P.O. Box 2170  
Akron, OH 44309  
Station: (330) 673-2323  
Fax: (330) 673-0301

### **Clear Channel Radio**

6200 Oak Tree Blvd  
Cleveland, OH 44131  
News: (216) 520-2600  
Newsroom Fax: (216) 901 8133

## **TV Stations cont'**

### **WKYC- NBC**

1333 Lakeside Ave  
Cleveland, OH 44114  
(216) 344-3333  
(216) 344-3326 fax

### **WKBN - FOX**

3930 Sunset Blvd.  
Youngstown, OH 44512  
Station: (330) 782-1144  
Fax: (330) 782-3504

## **APPENDIX – F**

### **Meeting Locations**

The Restoration Advisory Board meetings are rotated every quarter to one of four area Township Halls. The meetings are usually held in March, June, September and November with a tour of a specific area of concern of RVAAP scheduled in July or August. The RAB meets from 6:00 p.m. to 8:00 p.m. However, a suggestion was made to start the meetings an hour later. This should be discussed and agreed upon by the RAB members.

#### **Paris Township**

Shearer Community Center  
9355 Newton Falls Road  
Ravenna, OH 44266  
Office: (330) 358-2600  
Linda Shaulis, Clerk

#### **Freedom Township Hall**

Town Hall- Triangle of Routes 700, 303 & 88  
Windham, Ohio 44288  
Office: (330) 297-1709  
Fax: (330) 296-8856  
Rosemary Nicholas, Clerk

#### **Windham Town Hall**

9011 North Main Street  
Windham, OH 44288  
Office: (330) 326-2971  
Jayme Neikirk, Clerk

#### **Charlestown Town Hall**

6735 Rock Spring Road  
Ravenna, OH 44266  
Office: (330) 297-1919  
Fax: (330) 297-1919  
Helen Nething, Clerk

**APPENDIX – G**  
**Mailing List**

Ms. JoAnn Bartsch  
URS  
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Ms. Martha Clough  
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Twinsburg, OH 44087

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Kent, OH 44240

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Kent, OH 44240

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US Army Corps of Engineers  
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Louisville, KY 40201-0059

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Warren, OH 44485

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Louisville, KY 40201-0059

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Ms. Edna Black  
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Ms. Kathleen Chandler  
428 Dansel Street  
Kent, OH 44240

Mr. & Mrs. Ralph Hart  
9630 Minyoung Road  
Ravenna, OH 44266

Ms. Joan Brasaemle  
450 Grant Street  
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Ms. Christine Craycroft  
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Mr. Howard Johnson  
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Deerfield, OH 44411

Ms. Nancy Brundage  
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Portage Co. Health Department  
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Ravenna, OH 44266

Mr. Jim Midock  
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Akron, OH 44309-2170

Mr. John Katko  
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Elyria, OH 44036

Mr. Norman Pospisil  
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Mr. Robin Patton  
Ohio Edison  
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Ravenna, OH 44266

Ms. Sherry Love  
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Windham, OH 44288

Mr. William Roberts  
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Mr. Norman Robbins  
Case Western Reserve University  
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Mr. Craig Moser  
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Ms. Sharon Robers  
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Twinsburg, OH 44087

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White Lake, MI 48386-2336

Mr. Mike Sever  
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Ravenna, OH 44266

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Newton Falls, OH 44444

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Trumbull Co. Planning Commission  
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Warren, OH 44481

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Garrettsville, OH 44231

Mr. Derek Romitti  
Commander, USAEC  
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Aberdeen Proving Ground, MD 21010

Mr. Don Kainrad, Services Mgr  
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Ravenna, OH 44266

Ms. Trish Nuskievicz  
Trumbull Co. Planning Commission  
347 Northpark Ave., 2<sup>nd</sup> floor  
Warren, OH 44481

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9789 Newton Falls Rd.  
Ravenna, OH 44266

Dr. Courtenay Willis  
171 Newport Dr.  
Boardman, OH 44512

Mr. & Mrs. Larry Johnson  
7836 State Route 44  
Ravenna, OH 44266

Mr. & Mrs. Robert B. Walters  
708 Maple Street  
Ravenna, OH 44266



**APPENDIX – H**  
**Interview Questions**

**Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_

**Location:** \_\_\_\_\_

**Interviewee:** \_\_\_\_\_

**Affiliation:** \_\_\_\_\_

**Interviewer:** \_\_\_\_\_

**Script:** Hello. I am calling on behalf of the U.S. Army Corps of Engineers.

Would you have a few minutes to visit with me?

The Corps wants to understand what the folks in your community want to know about their environmental remediation efforts at the former Ravenna Army Ammunition Plant, and how the community would like to get information.

May I ask you a few questions, so your opinions and any questions you may have can be included as they plan for this effort? I expect this to take us about 15 minutes.

(If this is not convenient, is there a time that you would like for me to call you back? Or we can meet personally, during the week of August 25, if you would prefer that.)

---

1) How long have you lived in the area?

1A) What name do local people use to refer to the Ravenna Army Ammunition Plant?

1B) Are you familiar with the former Ravenna Army Ammunition Plant?

1C) How did you first learn about the site?

2) Have you ever talked with any Corps of Engineers, state, or environmental officials about their ongoing work at the former Ravenna Army Ammunition Plant? If yes, did they contact you or did you contact them? What was the nature of the contact and were you satisfied with their information?

3) Are you aware that the former Ravenna Army Ammunition Plant site is involved in environmental restoration activities? If yes, what do you know about those activities?

4) Do you have any interests or concerns about the Ravenna Army Ammunition Plant site remediation activities?

5) Are you aware of any interests or concerns that any of your neighbors or friends may have about the site? If so, what are they?

6) Do you know where information about environmental restoration activities at the former Ravenna Army Ammunition site can be obtained? If yes, where?

7) Have you received any information about the environmental restoration activities at the former Ravenna Army Ammunition Plant site? If yes, how did you receive it? Are you satisfied with the information?

8) Would you like to be added to the site's mailing list to receive newsletters and other general information about the proposed plans? Yes \_\_\_\_ No \_\_\_\_  
If yes:

Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Telephone: (H) \_\_\_\_\_ (W) \_\_\_\_\_

E-mail: \_\_\_\_\_

9) How does the community receive information about local events and news (i.e. radio, television, newspaper, other and what particular stations or papers)?

10) What method and frequency of information would you prefer?

Method	Frequency
Mail _____	_____
Telephone _____	_____
Newspaper _____	_____
Radio _____	_____
Television _____	_____
E-Mail _____	_____
Web Site _____	_____
Local Information Repository _____	Suggested location: _____
Community Hotline _____	_____
Other _____	_____

11) Would you be interested in attending a meeting about the environmental restoration activities at the former Ravenna Army Ammunition Plant site? If yes, what days and times are convenient for you? Are there certain community

locations (buildings or meeting rooms) that you would recommend public meetings be held?

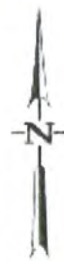
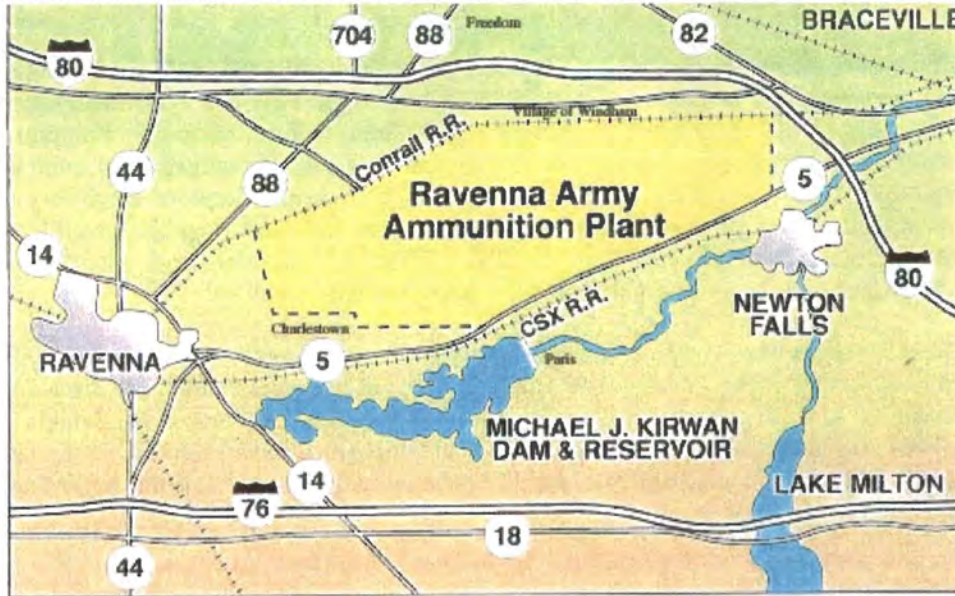
12) Do you have a particular meeting style you prefer? (Probes: discussions, formal presentations followed by Q&As, informal, open house, workshops, small groups, coffees)

13) Is there anyone else you think we should interview concerning the site? May we use your name? (Get names and phone numbers)

14) Is there anything else about the former Ravenna Army Ammunition Plant site that you would like to comment on?

Thank you for your time. Your information will be used as the Army plans their public involvement activities.

**APPENDIX - I**  
**RAVENNA ARMY AMMUNITION PLANT - LOCATION MAPS**



SCALE IN MILES

LOCATION MAP



G02-0053 B

**General Location and Orientation of RVAAP**

# SITE LOCATION MAP



RAVENNA ARMY AMMUNITION PLANT - 6810

ENVIRONMENTAL SITES OF CONCERN

- |   |                                       |                                      |
|---|---------------------------------------|--------------------------------------|
| 1. REMOVED QUARRY LANDFILL                      | 20. SAND CREEK SEWER TREAT PLANT      | 39. LOAD LINE 5 / FUZZ LINE 7        |
| 2. SITE BURNING CHIMNEYS                        | 21. SMOKE STACKS TEST PLANT           | 40. LOAD LINE 6 / BOOSTER LINE 2     |
| 3. DEMOLITION AREA #1                           | 22. SMOKE STACKS TEST PLANT           | 41. LOAD LINE 6 / BOOSTER LINE 2     |
| 4. DEMOLITION AREA #2                           | 23. SMOKE STACKS TEST PLANT           | 42. LOAD LINE 9 / PRODUCTION LINE    |
| 5. PAVERIES BURNING CHIMNEYS                    | 24. SMOKE STACKS TEST PLANT           | 43. LOAD LINE 10 / PRODUCTION LINE   |
| 6. SLOPE DUMP                                   | 25. SMOKE STACKS TEST PLANT           | 44. LOAD LINE 11 / ARTILLERY POLIGON |
| 7. SLOPE DUMP WASTE STORAGE                     | 26. SMOKE STACKS TEST PLANT           | 45. SMOKE STACKS TEST PLANT          |
| 8. LOAD LINE 1                                  | 27. SMOKE STACKS TEST PLANT           | 46. SMOKE STACKS TEST PLANT          |
| 9. LOAD LINE 2                                  | 28. SMOKE STACKS TEST PLANT           | 47. SMOKE STACKS TEST PLANT          |
| 10. LOAD LINE 3                                 | 29. SMOKE STACKS TEST PLANT           | 48. SMOKE STACKS TEST PLANT          |
| 11. LOAD LINE 4                                 | 30. SMOKE STACKS TEST PLANT           | 49. SMOKE STACKS TEST PLANT          |
| 12. SMOKE STACKS                                | 31. SMOKE STACKS TEST PLANT           | 50. SMOKE STACKS TEST PLANT          |
| 13. LOAD LINE 5 - EXHAUSTION UNIT               | 32. SAND CREEK DISPOSAL ROAD LANDFILL | 51. SMOKE STACKS TEST PLANT          |
| 14. LOAD LINE 6 - FUMIGATION TREATMENT FACILITY | 33. SMOKE STACKS TEST PLANT           | 52. SMOKE STACKS TEST PLANT          |
| 15. FINE & COARSE SAND PIT/LANDFILL             | 34. SMOKE STACKS TEST PLANT           | 53. SMOKE STACKS TEST PLANT          |
| 16. DEMOLITION STORAGE                          | 35. SMOKE STACKS TEST PLANT           | 54. SMOKE STACKS TEST PLANT          |
| 17. LOAD LINE 17 - PLOT WATER USE PLANT         | 36. SMOKE STACKS TEST PLANT           | 55. SMOKE STACKS TEST PLANT          |
| 18. LANDFILL NORTH OF STABLECREEK RD            | 37. SMOKE STACKS TEST PLANT           | 56. SMOKE STACKS TEST PLANT          |
|   | 38. SMOKE STACKS TEST PLANT           | 57. SMOKE STACKS TEST PLANT          |

- CERCLA
- RCRA
- OTHER REGULATORY

RAVENNA ARMY AMMUNITION PLANT		
ADDRESS	STRUCTURE	DATE