
Final

COMMUNITY INVOLVEMENT PLAN ADDENDUM IOWA ARMY AMMUNITION PLANT

**Formerly Utilized Sites Remedial Action Program
Federal Facilities Agreement Areas**

MIDDLETOWN, IOWA

FEBRUARY 11, 2011



**U.S. Army Corps of Engineers
St. Louis District Office
Formerly Utilized Sites Remedial Action Program**

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Prepared by:

U.S. Army Corps of Engineers, St. Louis District Office
Formerly Utilized Sites Remedial Action Program

With assistance from:

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ACRONYMS

AEC	Atomic Energy Commission
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CIPA	Community Involvement Plan Addendum
CRP	Community Relations Plan
CRPU	Community Relations Plan Update
DERP	Defense Environmental Restoration Program
DoD	U.S. Department of Defense
DOE	U.S. Department of Energy
EPA	U.S. Environmental Protection Agency
FFA	Federal Facilities Agreement
FS	Feasibility Study
FUSRAP	Formerly Utilized Sites Remedial Action Program
IAAAP	Iowa Army Ammunition Plant
IRP	Installation Restoration Program
MMP	Military Munitions Program
NPL	National Priorities List
PP	Proposed Plan
RI	Remedial Investigation
RAB	Restoration Advisory Board
USACE	U.S. Army Corps of Engineers

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EXECUTIVE SUMMARY

This addendum to the *Iowa Army Ammunition Plant Community Relations Plan for the Iowa Army Ammunition Plant* (CRP) (May 1991) as updated by the *Iowa Army Ammunition Plant Community Relations Plan Update* (CRPU) (February 2001) was developed for addressing additional community outreach and involvement needs for the work done specifically under the Federal Facility Agreement (FFA) for the Formerly Utilized Sites Remedial Action Program (FUSRAP) at the Iowa Army Ammunition Plant (IAAAP) in Middletown, Iowa. While this addendum does share some of the same elements as referenced in the CRP as updated, this addendum does *not* focus on work conducted at IAAAP under the Defense Environmental Restoration Program (DERP). Rather, this addendum focuses singularly on FUSRAP work at IAAAP.

FUSRAP was created by Congress to remediate buildings and soils at multiple sites contaminated with radiological materials that resulted from early atomic weapons production in the United States. A small portion of the IAAAP was under the control of the Atomic Energy Commission and the U.S. Department of Energy and, therefore, has been designated for response under FUSRAP.

PURPOSE

This addendum will

- identify the areas at IAAAP that are within the scope of FUSRAP;
- provide information about current cleanup plans as addressed in the FFA and the cleanup methods underway in this program as they comply with the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA);
- summarize the findings of the 2009 FUSRAP IAAAP Community Survey;
- establish avenues for sharing knowledge and encouraging community participation regarding the environmental restoration activities that are underway and that are planned, and;
- outline specific community relations strategies for addressing these goals.

SCOPE

This addendum applies only to FUSRAP activities at the IAAAP. FUSRAP activities are not under DERP, the Installation Restoration Program (IRP) or the Military Munitions Response Program (MMRP). This addendum is divided into five sections with four appendices. They are:

Section 1.0: Contains a brief introduction to the relationship of this addendum for FUSRAP activities to the CRP as updated.

Section 2.0: Contains a brief site description and history of the FUSRAP locations at IAAAP, the FUSRAP FFA, and relevant IAAAP restoration information as it relates to FUSRAP.

Section 3.0: Defines the roles and responsibilities in the development of community involvement program organizations. This section also summarizes survey results.

Section 4.0: Identifies community involvement activities suitable for supporting FUSRAP.

Section 5.0: Lists the references and resource materials used in the development and preparation of this addendum.

APPENDICES

Appendix A Iowa Army Ammunition Plant FUSRAP Federal Facility Agreement Areas Map

Appendix B *Iowa Army Ammunition Plant Federal Facility Agreement Fact Sheet*

Appendix C *The Restoration Pillar*, Iowa Army Ammunition Plant newsletter, January 2006, Volume 2, Issue 1

Appendix D *Survey Analysis and Recommendations*; Survey of Community Interest: Formerly Utilized Sites Remedial Action Program Activities, Iowa Army Ammunition Plant, February 2010.

1.0 INTRODUCTION

This *Community Involvement Plan Addendum* (CIPA) and its primary documents, the *Community Relations Plan for Iowa Army Ammunition Plant* (CRP) (May 1991) and the *Iowa Army Ammunition Plant Community Relations Plan Update* (CRPU) (February 2001), are ancillary documents for the cleanup projects at the Iowa Army Ammunition Plant (IAAAP) in Middletown, Iowa. This CIPA was prepared to encourage community involvement in response activities at the IAAAP conducted by the U.S. Army Corps of Engineers (USACE) under the Formerly Utilized Sites Remedial Action Program (FUSRAP). USACE will develop community involvement activities outlined in the CRP as updated and this FUSRAP CIPA to ensure that residents are continuously informed and provided opportunities to be involved.

1.1 RELATIONSHIP OF THIS PLAN TO THE COMMUNITY RELATIONS PLAN AS UPDATED IN FEBRUARY 2001

The CRP as updated outlines specific community relation strategies to share knowledge and encourage community participation regarding hazardous waste restoration activities conducted by the U.S. Army (Army) pursuant to the Defense Environmental Restoration Program (DERP) at the IAAAP. DERP activities include actions taken under the Installation Restoration Program (IRP) and the Military Munitions Response Program (MMRP). The CRP as updated describes the communities surrounding IAAAP and the community involvement activities that have been implemented to respond to concerns and to facilitate public input to the decision-making process.

Response actions at IAAAP conducted by USACE under FUSRAP are separate from actions taken by the Army under DERP and reference different authorities and funding. Although FUSRAP response actions are separate from DERP response actions, many of the community involvement goals and objectives are similar for the two programs. With this understanding, the FUSRAP CIPA defers to existing CRP as updated for descriptions of IAAAP history, past and ongoing community activities, and community outreach strategies. The CRP as updated also lists contact information for IAAAP representatives, Restoration Advisory Board (RAB) members, and federal, state, and local agencies and officials. Please refer to the CRP as updated for the above referenced information. The CRP as updated also provides DERP-specific information, such as complete descriptions of IRP-relevant regulations and statutes governing environmental restoration. DERP specific information contained in the CRP as updated is unrelated to FUSRAP response actions at IAAAP and is not incorporated into this FUSRAP CIPA.

As an addendum, this document addresses information relevant to the work being done under FUSRAP and details the community concerns as they relate to the FUSRAP efforts at IAAAP. This addendum also describes communication objectives and highlights potential community involvement activities specific to FUSRAP.

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2.0 SITE DESCRIPTION AND RESTORATION PROGRAM

In October 2006, the U.S. Environmental Protection Agency (EPA) Region 7 and the USACE entered into a Federal Facilities Agreement (FFA) to investigate and clean up contamination from the Nation's early atomic energy program at the IAAAP. The purposes of the following sections are to provide additional information describing the locations, history, and mission of the FUSRAP-related processes at IAAAP. Relevant IAAAP restoration information, as it relates to FUSRAP, is also briefly summarized.

2.1 FUSRAP SITE DESCRIPTION

The IAAAP is an active, government-owned, contractor-operated facility that occupies approximately 19,000 acres in Des Moines County near Middletown, Iowa. The IAAAP is an Army installation, and, since 1941, has manufactured a variety of artillery and tank munitions as part of its load, assemble, and pack operations for the U.S. Department of Defense (DoD). From 1947 to 1975, portions of the IAAAP facility were under AEC control for weapon-assembly operations.

The IAAAP was added to USEPA's National Priorities List in August 1990 under Section 105 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and the Superfund amendments and Reauthorization Act of 1986. In September of 1990, the Army and USEPA Region VII entered into a FFA (also called Army FFA) to define the roles and responsibilities for the U.S. Army's CERCLA activities at the IAAAP and the process for interagency coordination. The IAAAP was placed under the DoD IRP, which manages CERCLA activities to identify, investigate, and mitigate past hazardous waste disposal practices that may have contributed to the release of pollutants into the environment at Army installation and facilities. Past munitions production at the IAAAP has resulted in contamination of soil and groundwater and discharges of wastewater containing explosives to surface water. The Army continues to operate the ammunition plant and is conducting cleanup work under DERP at the site separate from the USACE's work under FUSRAP.

The Atomic Energy Commission (AEC) conducted weapons assembly operations on 1,630 acres of the 19,000-acre plant from the 1940s to the 1970s as a tenant at the site. The AEC operations at the IAAAP were commonly called Burlington Atomic Energy Commission Plant. These operations involved research, development, and production of materials and components as part of the U.S. early atomic energy program.

FUSRAP was created to provide funding and authorization to address areas of contamination associated with past AEC activity. The FUSRAP FFA covers response actions at seven IAAAP areas:

1. Line 1
2. Firing Site Area
3. West Burn Pads Area (South of the Road)
4. Warehouse 3-01
5. Yard G
6. Yard C
7. Yard L, areas surrounding Warehouses L-37-1, L-37-2, and L-37-3

A map showing the locations of these FFA Areas is included in Appendix A.

Characterization work at the seven designated areas has shown that radioactive contamination was primarily associated with a testing area where depleted uranium components were detonated by the AEC. Soils contaminated by explosives and metals, due to past AEC operations, have also been identified.

2.2 OVERVIEW OF FEDERAL FACILITY AGREEMENT

The EPA Region 7/USACE-executed FUSRAP FFA addresses investigation and clean up of contamination at IAAAP associated with past AEC activity in support of the Nation's early atomic energy program. The FUSRAP FFA is entered into pursuant to Section 120(e) of CERCLA, commonly referred to as the Superfund Law. The FUSRAP FFA describes the process by which the USACE will investigate and address any remaining radioactive or hazardous substances from the former nuclear weapons program at the IAAAP and defines the roles and responsibilities of the signatory parties. Others who signed the agreement are the state of Iowa, which will provide additional oversight of the cleanup work and identify appropriate state environmental laws, and the U.S. Department of Energy (DOE), which will provide long-term stewardship, operation, and maintenance reviews. Appendix B includes the fact sheet used in public outreach to describe the FFA.

The FFA is available for the public to read at www.mvs.usace.army.mil/eng-con/expertise/fusrap-IAAAP.html. Printed copies of the FUSRAP FFA are also included in the FUSRAP Administrative Record File located at the Burlington Public Library:

Burlington Public Library
210 Court Street
Burlington, Iowa 52601
(319) 753-1647

Some documents referencing FUSRAP work are available on the RAB web site. The address is www.iowaaap-irp.com. The IAAAP Administrative Record is also available online at www.iaaap.adminrecord.com.

2.3 ROLES AND RESPONSIBILITIES

The general responsibilities of FUSRAP at IAAAP are to ensure that the environmental impacts associated with past AEC activities are thoroughly investigated and that appropriate action is taken to protect public health, welfare, and the environment. Following the requirements set by the FFA; FUSRAP will establish a framework for procedures and will set a schedule for the cleanup process.

FUSRAP is generally responsible for all contaminants, chemical or radiological, in former AEC areas, unless the chemical contamination is or has already been addressed by the Army. The FUSRAP FFA, however, explicitly excludes groundwater and surface water contamination from the scope of FUSRAP response noting that groundwater and surface water will be addressed pursuant to the Army FFA. The scope of FUSRAP response is also limited at the Firing Sites Area to only addressing the presence of depleted uranium from past testing operations conducted by the Atomic Energy Commission. The Firing Site is an operational testing range currently being used by the Army to test military munitions. Any

additional response actions at the Firing Site Area beyond those which will be addressed by FUSRAP will be addressed by the Army in accordance with the Army FFA.

Cleanup activities are conducted under the framework of CERCLA. CERCLA requirements include public outreach and involvement. One example of public outreach is found in the sample newsletter in Appendix C, which features cleanup under FUSRAP. This newsletter is a product of the Army's IRP outreach.

2.4 SUMMARY OF FUSRAP INVESTIGATION

FUSRAP investigations began in 2000 when the USACE began collecting information that would subsequently be presented in the Preliminary Assessment, Iowa Army Ammunition Plant, Middletown, Iowa (USACE 2001). This Preliminary Assessment included review of available information and documents as well as several initial field visits, including limited radiological walkover surveys at the Firing Site 6 Area and the Firing Site 12 Area.

Subsequent surveys were performed at three selected buildings in Yard L in 2003, and the results are captured in Iowa Army Ammunition Plant Site Reconnaissance Survey for Buildings L-37-1, L-37-2, and L-37-3 (USACE 2003).

The FUSRAP investigation continued in 2004 when the USACE performed a radiological screening survey of the following four areas:

1. Explosives Disposal Area
2. Inert Disposal Area
3. Demolition Area / Deactivation Furnace
4. Line 1 Former Wastewater Impoundment.

As documented in the Summary of the Radiological Survey Findings for the Iowa Army Ammunition Plant Explosive Disposal Area, Inert Disposal Area, Demolition Area / Deactivation Furnace, and Line 1 Former Wastewater Impoundment Area (USACE 2005), the USACE found that the above areas are free from radiological contamination. Therefore, these four areas remain under the control of the Army's IRP and are not part of the FUSRAP scope.

In October 2006, the USACE, EPA, state of Iowa, and DOE executed a FFA. This multi-agency agreement is designed to ensure that remedial investigations and activities are properly conducted and that a framework is established for cooperation and information exchange between the agencies. In the FFA, the following FUSRAP areas were identified:

1. Line 1
2. West Burn Pads Area South of the Road
3. Firing Sites Area
4. Yard C
5. Yard G
6. Yard L (portion)
7. Warehouse 3-01

In addition, in 2007, it was learned that three additional IAAAP areas may have hosted AEC activities. These areas are:

1. A portion of Yard E
2. A portion of Yard F
3. The area west of Line 5b (also known as the former SECOM area).

These ten areas were investigated by USACE during the FUSRAP Remedial Investigation (RI). The results of this RI were captured in an RI Report in 2008. The RI report, *Iowa Army Ammunition Plant FUSRAP Remedial Investigation Report for Firing Sites Area, Yards C, E, F, G, and L, Warehouse 3-01, and Area West of Line 5b* (USACE, 2008), is available for public reading in the administrative record. The three additional areas identified in 2007 as potential AEC areas (Yard E, Yard F, and the area west of Line 5b) were found not to be impacted by radiological contamination and, therefore, remain under the control and responsibility of the Army's IRP. They are not part of the FUSRAP scope. A map of these FUSRAP FFA areas is in Appendix A.

Also, in 2008, it was determined that the soil in two of the FUSRAP areas (Line 1 and West Burn Pads South of the Road) was specifically covered in the existing Army Records of Decision (RODs). As a result, Line 1 soil and the West Burn Pads Area South of the Road are currently undergoing remediation by FUSRAP, but such remediation is being conducted under the authority of the Army RODs. These two areas are, therefore, not part of the FUSRAP FS currently being developed. It should be noted, however, that Line 1 buildings (structures) are not covered by the existing Army RODs and therefore will be addressed within the ongoing FUSRAP RI/FS/ROD process.

The remaining six areas being evaluated in the FUSRAP FS are in process at this writing (February 2010). These areas are:

1. Line 1 Structures
2. Firing Sites Area
3. Yard C
4. Yard G
5. Yard L (portion)
6. Warehouse 3-01

3.0 FUSRAP COMMUNITY RELATIONS PROGRAM

In order to establish an interactive relationship with the community through public involvement, USACE has sought public input to guide the FUSRAP cleanup process. In support of their work at the IAAAP, the USACE initiated a community outreach and education campaign in 2006 for the Middletown, Iowa, community. The FFA was made available for public review and comment on September 1, 2006. Appendix B includes the fact sheet generated in order to invite public review of the FFA.

In 2009 the campaign implemented a community survey. The survey was intended to establish what the community knows and is interested in learning about FUSRAP activities at IAAAP. The 2009 FUSRAP IAAAP Survey was conducted from December 20, 2009, to January 21, 2010.

This section outlines the roles and responsibilities of USACE and other stakeholders and gives a summary of the survey method and results. It also identifies possible future community involvement activities.

3.1 ROLES AND RESPONSIBILITIES

Effective communication between the USACE and the public (government officials, interest groups, area residents) encourages understanding and knowledge of FUSRAP activities, minimizing or avoiding rumors and misinformation.

The USACE has developed a community involvement program designed to involve the public in activities and decisions related to the cleanup of the IAAAP FUSRAP sites. Our community involvement program attempts to include residents living near these sites in the decision-making process by

- providing opportunities for citizens to express comments and concerns and to provide input into technical decisions;
- informing the public of planned or ongoing actions;
- identifying and resolving conflicts; and
- facilitating community involvement planning.

To accomplish these objectives, the USACE will develop activities to encourage community involvement. USACE will also continue to participate, as appropriate, in site-wide IAAAP community activities described in the IAAAP CRP as updated.

3.2 SURVEY METHODOLOGY AND SCOPE

The 2009 FUSRAP IAAAP Survey was in Middletown, Iowa, the surrounding area, and two nearby cities, Burlington and Danville. The survey was conducted within a short time frame; therefore, a statistical approach to the survey design and analysis was not implemented. The purpose of this survey was to provide qualitative, rather than quantitative, data. This testing was intended only *to identify issues*

that are important to this audience and provide a broader baseline understanding of attitudes and perceptions of past AEC operations and how best to address public interests and concerns.

The survey covered a 25-mile radius from the Middletown city center into Des Moines County. The population of this area is more than 90 percent Caucasian, with an average household size of 2.5 people. The median income for a household in Middletown is \$37,000 per year, and the median age is 36 years. The population of Middletown, according to the 2000 census is 535. Danville’s population is 914 and Burlington’s is 26,829.

The combined survey efforts drew participation from 22 people from the Middletown, Burlington, and Danville, Iowa, area.

3.3 SURVEY DISTRIBUTION VENUES AND COLLECTION TECHNIQUES

The survey sought participation by sending out

- 3,000 postcards in random mailings to private homes within a 25-mile radius of Middletown,
- One, 5-inch x 7-inch newspaper ad published on Sunday, December 20, 2009 in Burlington’s *The Hawk Eye* (circulation about 20,000),and
- 400 paper copies of the survey were available in public places.

The survey data was collected electronically over the Internet and through email; via paper collection in four local locations; via live telephone survey (as requested through printed media described above); and through a dedicated Burlington, IA, post office box. Total survey results received per collection technique are illustrated in Table 1.

Table 1. Survey Participation Results

Participant Options	Actual Number of Participants Issuances Responses Received	
Electronic survey: Web-based	23,600	11
Electronic survey: email-based	23,600	0
Paper copy surveys: four locations	400 copies (100 copies at each of four locations)	9
Telephone surveys: toll-free	23,600	2
USPS Post Office Box	23,600	0
TOTAL		22

It should also be noted that the Army’s IRP has had a successful outreach and community involvement program at IAAAP since 1997. IAAAP has an active RAB that meets quarterly and communicates via a web site address: <http://www.iowaaap-irp.com>. This group was not directly invited to participate in the

survey because their knowledge and interests in IAAAP exceed the standard demographic of the community. However, future FUSRAP outreach will be extended to the RAB.

3.4 SURVEY RESULTS

The 2009 FUSRAP IAAAP Survey identified some general community knowledge and interest in the FUSRAP activities at IAAAP. The 14-question survey revealed participants' familiarities and interests listed here:

- A majority of the participants were vaguely familiar with the environmental impact of past AEC activities and of the investigations and remediation underway at IAAAP now. Seven said that they did not know anything about the cleanup.
- Fifteen of the 22 respondents said they had never spoken to anyone at IAAAP or with the USACE about concerns. However, a majority had participated in community involvement activities involving IAAAP.
- Interest in involvement in future community involvement activities was split with eight having no interest and 16 with varying levels of interest. An even greater majority of participants indicated an interest in attending a public meeting about environmental cleanup at IAAAP.
- Newspaper communication appeared as the most successful communication tool. A majority knew about the cleanup via newspaper or through friends or neighbors. Internet, mailings to the home, and newspaper coverage emerged as the preferred techniques for receiving future information. A majority preferred quarterly, rather than more frequent, information.
- A great majority of participants indicated an interest in reviewing the Administrative Record of past AEC activities and current cleanup. Preferences for reading the Administrative Record were evenly split between library hardcopy and electronic (via Internet webpage).

The 2009 FUSRAP IAAAP Survey and an analysis of the results, additional written comments from the participants, and copies of the accompanying outreach materials are included in the *Survey Analysis and Recommendations* in Appendix D.

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4.0 ONGOING COMMUNITY INVOLVEMENT ACTIVITIES

A community involvement plan is the framework for ongoing communications between the public and the personnel behind IAAAP's FUSRAP work. Based on the information gathered in the 2009 FUSRAP IAAAP Survey, the following activities and techniques, in addition to those identified in the CRPU, are recommended for enhancing communications with the communities around IAAAP.

4.1 ADMINISTRATIVE RECORD

The administrative record is a legal file containing any documents related to the IAAAP FUSRAP work or related site information. Its purpose is to provide the public with access to site information so they can be informed on the program. The administrative record for the IAAAP Army IRP is available online at: <http://iowaaap-irp.com/>

The IAAAP FUSRAP Administrative Record is available in hardcopy at the reference desk at the Burlington Public Library at 210 Court Street, Burlington, IA 52601.

4.2 PUBLISHED NOTICES

Press releases will be published in *The Hawk Eye* explaining the status of the FUSRAP work and the plans in place as changes occur as needed. For example, a press release will be issued announcing the availability of the *FUSRAP Feasibility Study Report for the Iowa Army Ammunition Plant* and the *FUSRAP Proposed Plan for the Iowa Army Ammunition Plant (FS/PP)* for public review and comment. In addition, public notices will be placed in *The Hawk Eye* before public meetings so that date, time, and location information may be publicized. Every effort will be made to encourage coverage by local media through mailed notifications of the event, and faxes and telephone calls to media offices.

4.3 PUBLIC COMMENT PERIODS

In accordance with the National Contingency Plan, 40 CFR §300.430(f)(3), a 30-day public comment period is planned after the FS/PP are released for public review. The purpose of the comment period is to provide all interested parties, including local officials, residents, and interest groups, an opportunity to express their opinions on the FS/PP. The comment period also facilitates public participation in the possible execution of the plans. The comment period will be announced in the major local newspaper, *The Hawk Eye*. In addition, FUSRAP will make appropriate news releases to the local newspaper, television, and radio media.

Paper copies of the FS/PP will be available in the Administrative Record File at the Burlington Public Library; electronic copies will be available at the RAB web site. Comments from the public may be sent in writing to USACE at the address given below or may be made orally at the public meeting during the comment period.

U.S. Army Corps of Engineers
St. Louis District
FUSRAP Project Office
8945 Latty Avenue
Berkeley, MO 63134

4.4 PUBLIC MEETINGS

A public meeting is planned shortly after the release of the FS/PP for public review and comment. The public meeting will provide stakeholders an opportunity to directly express concerns, ask questions, or provide comments about the FS/PP. The format for the meeting will include an informal poster session at the beginning followed by a formal presentation, and then the floor will open for a question/answer/comment period. USACE officials and technical representatives will receive comments made by the public at this meeting. Additional public meetings may be held as community needs and events dictate. Public meetings locations will be announced in published public meeting notices.

4.5 PUBLIC MEETING TRANSCRIPTS

Public comments will be used in the decision-making process and questions and concerns will be addressed by USACE. USACE will record minutes at public meetings when oral public comments are requested within a meeting format. A copy of public meeting's minutes will be added to the FUSRAP Administrative Record. Public meeting minutes will be available for the public and copies can be obtained upon request.

4.6 WEB PAGE EXPANSION

Information about FUSRAP work will be added to the existing public access web site for USACE (www.mvs.usace.army.mil/eng-con/expertise/fusrap-IAAAP.html). FUSRAP-specific documents, news media releases, and other similar publications will be posted to that site as well. Paper copy of all these materials will also be available for public review in the IAAAP FUSRAP Administrative Record File at the Burlington Public Library and at the IAAAP mail lobby at 17571 Highway 79.

4.7 NEWS MEDIA RELEASES

Prepared statements will be released to local newspapers, radio, and television stations to announce any significant changes at the site and to advertise upcoming public meetings. Additional press releases will be issued at the completion of the draft and final FS/PP and before any public meetings to discuss them. Press releases will be placed in the FUSRAP Administrative Record File at IAAAP at the Burlington Public Library, and included on the USACE web site (<http://www.mvs.usace.army.mil/eng-con/expertise/fusrap-IAAAP.html>).

4.8 MAILING LIST

A mailing list of contacts and interested parties was created in support of the 2009 IAAAP FUSRAP Survey. It includes 15 names gathered from survey communication. This mailing list will continue to be maintained and updated with new contact information as it is gathered at upcoming public and RAB meetings.

4.9 INFORMATION CONTACT

USACE has established a toll free number (1-800-594-3515) as a point of contact for citizens who have concerns, questions, comments, or requests for information about the FUSRAP program at IAAAP.

The dedicated community involvement toll free phone number was open for public input until November 2010. The number was closed due to inactivity at the time, but should the service be needed, the line will be reestablished. USACE will play an active role in providing information to the public. The toll free number will be displayed on all public notices, updates, and other correspondence.

The public may also contact the FUSRAP Project Office with questions, concerns, or request for information at (314) 260-3905.

4.10 REVISIONS OR FUTURE UPDATES TO THIS COMMUNITY INVOLVEMENT PLAN ADDENDUM

During the FS/PP preparation process, the USACE initiated this addendum to account for the expansion of cleanup work at IAAAP. USACE will continue to revise and update this addendum as needed. Revisions to the plan will include an assessment of community involvement activities that may be appropriate for FUSRAP as it progresses and as the concerns of the community change. A copy of any revised plans will be placed in the IAAAP FUSRAP Administrative Record File at the Burlington Public Library.

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5.0 REFERENCES

- IAAAP 2001. *Iowa Army Ammunition Plant Community Relations Plan Update*, February 2001.
- Iowa EPA, Region 7 Fact Sheet: *Iowa Army Ammunition Plant*, IOWA EPA ID#IA7213820445, 03/04/2009. (http://www.epa.gov/Region7/cleanup/npl_files/ia7213820445.pdf).
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- SAIC, *Survey Analysis and Recommendations*, Survey of Community Interest: Formerly Utilized Sites Remedial Action Program Activities, January 2009.
- USACE, 2008. Iowa Army Ammunition Plant FUSRAP Remedial Investigation Report for Firing Sites Area, Yards C, E, F, G, and L, Warehouse 3-01, and Area West of Line 5b, Middletown, Iowa, U.S. Army Corps of Engineers, St. Louis District, Final, October 8, 2008.
- USACE 2003. Iowa Army Ammunition Plant Site Reconnaissance Survey for Buildings L-37-1, L-37-2, L-37-3, U.S. Army Corps of Engineers, St. Louis District, Final, March 2003.
- USACE, 2001. Preliminary Assessment, Iowa Army Ammunition Plant, Middletown, Iowa, U.S. Army Corps of Engineers, St. Louis District, Final, December 2001.
- USACE, 1991. Community Relations Plan for Iowa Army Ammunition Plant (Public Involvement and Response Plan), U.S. Army Corps of Engineers, Toxic and Hazardous Materials Agency, ESE No. 3-90-9003-3170-3170, May 1991.
- The IAAAP Administrative Record is available online at www.iaaap.adminrecord.com.

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APPENDIX A

**IOWA ARMY AMMUNITION PLANT
FUSRAP FEDERAL FACILITIES AGREEMENT AREAS**

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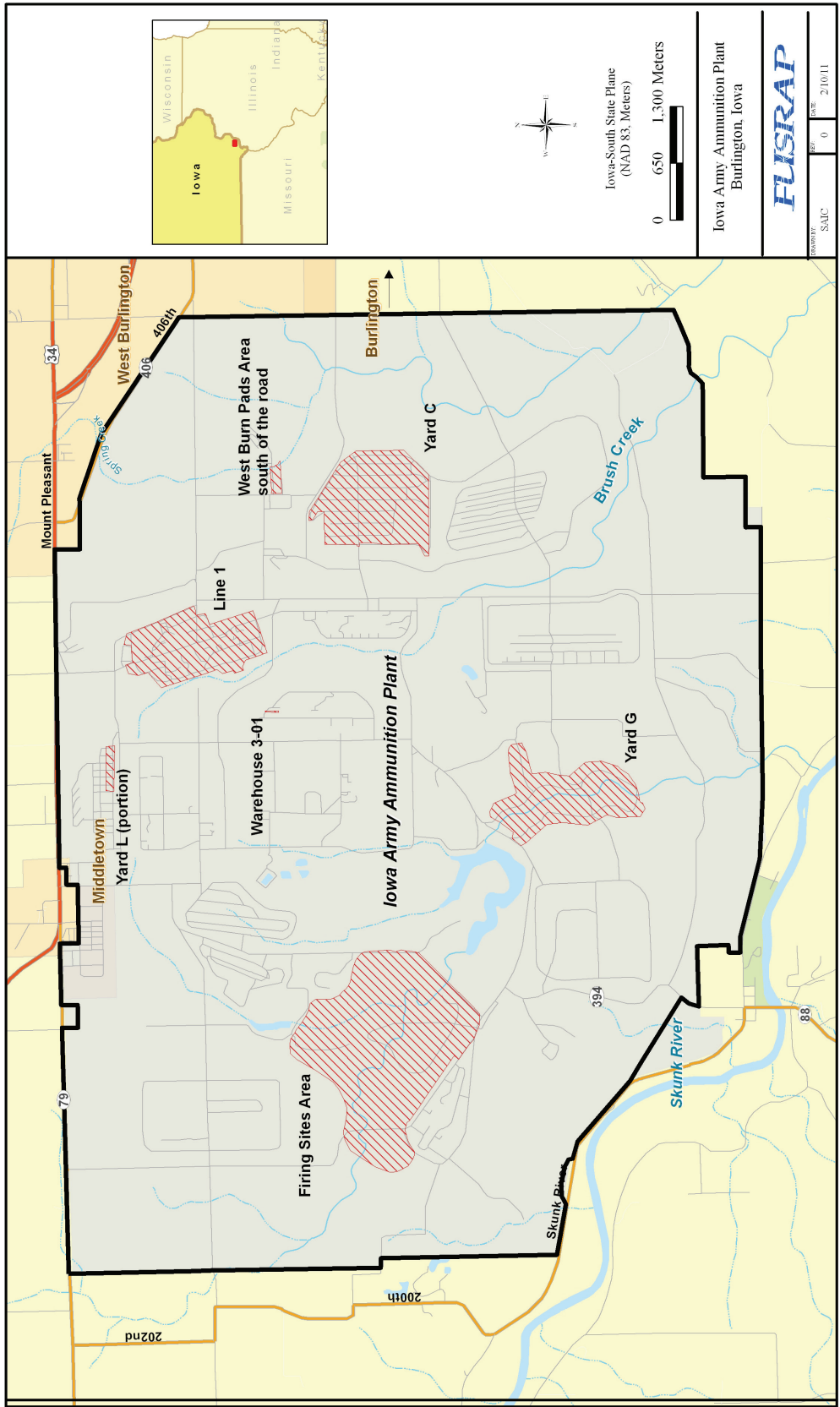


Figure A-1. IAAAP FUSRAP Federal Facilities Agreement Areas

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APPENDIX B

**IOWA ARMY AMMUNITION PLANT
FFA FACT SHEET**

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Region 7

Iowa
Kansas
Missouri
Nebraska

Fact Sheet

September 2006

PUBLIC COMMENT PERIOD ANNOUNCED

Iowa Army Ammunition Plant

Middletown, Iowa

INTRODUCTION

The U.S. Environmental Protection Agency (EPA) Region 7 and the U.S. Army Corps of Engineers (COE) have entered into a Federal Facility Agreement (FFA) to investigate and clean up contamination from the Nation's early atomic energy program at the Iowa Army Ammunition Plant (IAAAP) near Middletown, Iowa. The FFA is currently available for public review and comment. Others signing the agreement are the State of Iowa, which will provide additional oversight of the cleanup work and identify appropriate state environmental laws, and the U.S. Department of Energy, which will provide long-term stewardship, operation, and maintenance reviews.

FEDERAL FACILITY AGREEMENT

The new FFA is entered into pursuant to Section 120(e) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), commonly referred to as the Superfund Law. The FFA describes the process by which the COE will investigate and address any remaining radioactive or hazardous wastes from the former nuclear weapons program at the IAAAP, and defines the roles and responsibilities of the signatory parties.

PUBLIC COMMENT PERIOD

EPA is now accepting comments from the public for a period of forty-five (45) days beginning September 1, 2006. **Comments must be received by October 15, 2006.** Upon completion of the public comment period, the agencies will review all comments and determine whether any modification to the FFA should be made.

AVAILABILITY

The new FFA is available on the Internet at: <http://www.mvs.usace.army.mil/engineering/expertise/fusrup-IAAAP.html>. Copies are also available at the Burlington Public Library, the Danville City Hall, the Lee County Health Department, and at EPA's Record Center in Kansas City. Addresses to these locations are provided below.

BACKGROUND

The Atomic Energy Commission (AEC) conducted weapons assembly operations on 1,630 acres of the 19,000-acre plant from the 1940s to the 1970s as a tenant at the site. These operations involved research, development and production of materials and components as part of the U.S. early atomic energy program. The Army continues to operate the ammunition

plant and is conducting cleanup work at the site separate from the COE to address contamination associated with past Army operations.

A program called the Formerly Utilized Sites Remedial Action Program (FUSRAP) was created to provide funding and authorization to address areas of contamination associated with past AEC activity.

The FUSRAP cleanup agreement at the IAAAP with the COE is the second such agreement in place to address contamination at this Superfund site. The Army, under a separate agreement with EPA, has been conducting significant investigation and cleanup work at the site since 1990. Under the Army agreement, over 175,000 cubic yards of contaminated soils have been addressed. Groundwater cleanup work is also beginning.

The FUSRAP agreement covers seven (7) distinct areas of past AEC activity at the IAAAP. An aerial survey of the entire 19,000-acre plant (conducted in October 2002) showed that radioactive contamination was present at the testing area where depleted uranium components were detonated by the AEC. Soils contaminated by explosives and metals have also been identified due to past AEC operations.

COMMENTS

Written comments on the FFA should be submitted to:

Scott Marquess
Project Manager
U.S. EPA – Region 7
901 North 5th Street
Kansas City, KS 66101
marquess.scott@epa.gov

OR

Debbie Kring
Community Involvement Coordinator
U.S. EPA – Region 7
901 North 5th Street
Kansas City, KS 66101
kring.debbie@epa.gov

FFA LOCATIONS

Burlington Public Library
501 North 4th Street
Burlington, Iowa 52601
(319) 753-1647

Danville City Hall
105 West Shepherd Street
Danville, Iowa 52623

Lee County Health Department
2218 Avenue H
Fort Madison, Iowa 52627

EPA Record Center
901 North 5th Street
Kansas City, KS 66101

APPENDIX C

IOWA ARMY AMMUNITION PLANT
NEWSLETTER

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The Restoration Pillar

Iowa Army Ammunition Plant
LTC Jack Judy, Commander

*Next month's
feature article:
Five Year Review
– A Work in
Progress.*

TAG TEAMING CLEANUP WITH FUSRAP

What is FUSRAP? For those of you who are uncertain, allow us to introduce FUSRAP and its role at the Iowa AAP (IAAAP).

The Formerly Utilized Sites Remedial Action Program, otherwise known as FUSRAP, is an environmental cleanup program established in March 1974 by the Atomic Energy Commission (AEC) under the authority of the Atomic Energy Act of 1954. This program was created to identify, investigate and take appropriate cleanup action at sites with radioactive contamination from the nation's early atomic weapons development program.

In 1997, Congress transferred the management of this program from the Department of Energy (DOE) to the US Army Corps of Engineers (Corps). Under a Memorandum of Understanding between the Corps and DOE, the DOE determines which sites are eligible for FUSRAP, the Corps then cleans up these sites, but transfers the responsibility for Long-Term Stewardship of FUSRAP sites back to the DOE two years after completing response actions and final closeout activities. Clean up activities are conducted under the framework of the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended (CERCLA).

In 2002, portions the IAAAP were designated to be a site under FUSRAP. Since that time, the Corps has been coordinating action with the Region 7 of the U.S.

Environmental Protection Agency (EPA) and the State of Iowa Department of Public Health. Similar to the IAAAP Installation Restoration Program (IRP), FUSRAP will have a Federal Facilities Agreement, to be signed by the Corps, EPA and the State. A Memorandum of Agreement, to be signed by the IAAAP and the Corps, will help coordinate cleanup activities and to minimize duplication of efforts between the IRP and FUSRAP.

The Burlington Atomic Energy Commission Plant was the common name given to the AEC operations at the IAAAP. The AEC operated facilities at the IAAAP from 1947 to mid-1975. The recognized or known areas where AEC operated include: Line 1, Firing Sites, West Burn Pads Area, Yard C, Yard G, Yard L, and Warehouse 3-01. Alleged or suspected areas of operation include: The Inert Disposal Area, Demolition/Deactivation Furnace, Former Line 1 Impoundment, and the Explosive Disposal Area.

The Corps has conducted radiological surveys at known and suspected areas of AEC activity at the IAAAP.

These surveys combined with surveys conducted by other organizations, including the Aerial Survey conducted in 2002, show that an area of the Firing Site and a small portion of the interior of Line 1 have radiological contamination related to AEC activities.

Currently, the Corps is working on several documents that will help focus and define future investigation efforts at the IAAAP. The first is a document concerning the Corps 2004 radiological survey of sites suspected of being used by AEC. The Corps found no radiological contamination during this survey. This document, once approved by the EPA and State of Iowa, will remove these sites from further Corps action and responsibility. The second document is the Corps Remedial Investigation Work Plan. This document will guide the investigation of both radiological and non-radiological contamination at sites known to have been used by AEC. Once this document is approved by EPA and the State, the remaining investigation can begin, followed by the remediation of sites that require it.



SAIC (FUSRAP subcontractor) performing radiological survey at the Deactivation Furnace.

**Iowa Army
Ammunition Plant**

17571 Highway 79
Middletown, IA 52638

PHONE:
(319) 753-7130

FAX:
(319) 753-7601

E-MAIL:
rodger.allison@us.army.mil

We're on the web! To view
Iowa AAP's monthly
Restoration Pillar Newsletter,
go to
<http://iaaap.mapdirector.com>

The Restoration Pillar is an unofficial U.S. Army Publication sent monthly to inform the public of on-going and upcoming restoration events at the Iowa Army Ammunition Plant. This publication is edited by Mrs. Sara Garland, MKM Engineers, Inc., sara.garland@mkmengineers.com

Army Project Managers:

Mr. Rodger Allison
Iowa Army Ammunition Plant
17571 Highway 79
Middletown, IA 52638
319.753.7130

Mr. Andrew Maly
Army Environmental Center
5179 Hoadley Road
Aberdeen Proving Grounds, MD 21010
410.436.1512

Administrative Record Repositories:

Danville City Hall
105 West Shepherd Street
Danville, IA 52623

Burlington Public Library
501 North 4th
Burlington, IA 52601

Lee County Health Department
2218 Avenue H
Fort Madison, IA 52627

IOWA ARMY AMMUNITION PLANT
17571 HIGHWAY 79
MIDDLETOWN, IA 52638



APPENDIX D

SURVEY ANALYSIS AND RECOMMENDATIONS; IAAAP SURVEY OF COMMUNITY INTEREST FORMERLY UTILIZED SITES REMEDIAL ACTION PROGRAM ACTIVITIES

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Survey Analysis and Recommendations

**Survey of Community Interest:
Formerly Utilized Sites Remedial Action Program Activities**

**Iowa Army Ammunition Plant
Middletown, Iowa**

February 8, 2010



**U.S. Army Corps of Engineers
St. Louis District Office
Formerly Utilized Sites Remedial Action Program**

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Survey Analysis and Recommendations

Iowa Army Ammunition Plant, Middletown, Iowa

Survey of Community Interest Formerly Utilized Sites Remedial Action Program Activities

The U.S. Army Corps of Engineers (USACE), St. Louis District, initiated a community outreach and education campaign in 2009 for the Middletown, Iowa community in support of their work at the Iowa Army Ammunition Plant (IAAAP). USACE work at the IAAAP is part of the Formerly Utilized Sites Remedial Action Program (FUSRAP) and addresses contamination that resulted from activities that were part of the nation's early atomic program. This work is also guided by a Federal Facility Agreement (FFA) (Docket Number (CERCLA-07-2005-0378). Six areas at IAAAP are currently being evaluated in a Feasibility Study (FS) and Proposed Plan (PP).

In order to establish an interactive relationship with the community through public participation, USACE has sought public input to guide the FS/PP. The initial stage of this campaign was implemented as a community survey. The survey was intended to establish what the community knows and is interested in learning about FUSRAP activities at IAAAP. The 2009 FUSRAP IAAAP Survey was available for completion from December 20, 2009 to January 21, 2010. This report gives a summary of the survey method, results, and the recommendations for a path forward.

Based on the information gathered from the survey, USACE will develop an Addendum to the *Iowa Army Ammunition Plant Community Relations Plan Update (March 2009)* to guide the FUSRAP outreach program. This addendum will be prepared before the FS/PP is published for public and regulatory review.

FUSRAP Background

The U.S. Atomic Energy Commission (AEC) conducted weapons assembly operations on 1,630 acres of the 19,000-acre plant from the 1940s to the 1970s as a tenant at IAAAP. The Army continues to operate the ammunition plant and is conducting cleanup work, independent from USACE FUSRAP work, to address contamination associated with past Army operations.

The FUSRAP work currently covers six distinct areas of past AEC activity at the IAAAP. The number of areas has evolved pursuant to FUSRAP work since 2000, when it began. Characterization work has showed that radioactive contamination was primarily associated with a testing area where depleted uranium components were detonated by the AEC. Soils contaminated by explosives and metals due to past AEC operations have also been identified.

Survey Methodology and Scope

The 2009 FUSRAP IAAAP Survey was conducted in Middletown, Iowa, its surrounding area and two nearby cities, Burlington and Danville. The survey was conducted within a short time frame; therefore, a statistical approach to the survey design and analysis was not implemented. The purpose of this survey was to provide qualitative, rather than quantitative, data. Numerous studies (e.g., Ward, Bertrand, and Brown, 1991, Irwin et al, 1991, Folch-Lyon and Trost, 1981, etc.) have demonstrated that qualitative surveys correlate to a high degree of confidence, with broader surveys often providing similar information to rigorously designed surveys. This testing was intended only *to identify issues that are important to this audience* and provide a broader baseline understanding of attitudes and perceptions of past AEC operations and how best to address public interests and concerns.

The survey covered a 25-mile radius from the Middletown city center into Des Moines County. The population of this area is more than 90 percent Caucasian, with an average household size of 2.5 people. The median income for a household in Middletown is \$37,000 per year, and the median age is 36 years. The population of Middletown, according to a 2000 census is 535. Danville's population is 914 and Burlington's is 26,829.

The combined survey efforts drew participation from 22 people from the Middletown, Burlington, and Danville, Iowa area. Survey Distribution Venues and Collection Techniques

Survey participation was sought in three venues:

- 3,000 **postcards** were sent in random mailings to private homes in four U.S. Postal Service (USPS) routes in Burlington; one route in Danville; and one route in Middletown.
- One, 5-inch x 7-inch **newspaper ad** was published on Sunday, December 20, 2009 in *The Hawk Eye*. According to the newspaper's circulation desk, 20,500 papers were distributed with this published ad. *The Hawk Eye* serves Des Moines County and is printed in Burlington.
- 400 paper copies of the survey were available in public places.

Copies of the postcard and newspaper ad are in Appendix A. For the purposes of this report, a total of about 23,600 issuances of survey availability is assumed.

The survey data was collected via three techniques:

- **Electronic surveys:** Web-based survey (i.e., www.surveymonkey.com/iaaapsurvey) and dedicated email address (FUSRAPatIAAAP@usace.army.mil);
- **Paper copy surveys:** available at four locations
 - **Burlington Public Library**
210 Court Street, Burlington
 - **Burlington City Hall**
400 Washington Street, Burlington

- **Danville City Hall**
105 West Shepherd Street, Danville
- **Middletown City Hall**
120 Mechanic Street, Middletown
- **Telephone surveys:** Live telephone survey entry was available toll-free at 1-800-594-3515. These calls were incoming only; no direct solicitations were made.
- **Post Office Box:** surveys could be mailed to a dedicated post office box (P.O. Box 1285, Burlington, IA 52601).

The paper copy survey is included in Appendix B. Total survey results received per collection technique is illustrated in Table 1.

Table 1. Survey Participation Results

Participant Options	Actual No. of Participants	
	Issuances	Responses Received
Electronic survey: Web-based	23,600	11
Electronic survey: email-based	23,600	0
Paper copy surveys: four locations	100 copies	9
Telephone surveys: toll-free	23,600	2
USPS Post Office Box	23,600	0
TOTAL		22

Survey Results

The 2009 FUSRAP Survey was designed to serve as a reference that identifies community knowledge and interest in the FUSRAP activities at IAAAP in order to guide the community involvement activities needed for the FS/PP. The 14-question survey revealed participants' familiarities and interests listed here:

- A majority of the participants were vaguely familiar with the environmental impact of past AEC activities and of the investigations and remediation underway at IAAAP now. Seven said that they did not know anything about the cleanup.
- Fifteen of the 22 respondents said they had never spoken to anyone at IAAAP or with the USACE about concerns. However, a majority had participated in community outreach activities involving IAAAP.
- Interest in involvement in future community outreach activities was split with 8 without any interest and 16 with varying levels of interest. An even greater majority of participants indicated an interest in attending a public meeting about environmental cleanup at IAAAP.

- Newspaper communication appeared as the most successful communication tool. A majority knew about the cleanup via newspaper or through friends or neighbors. Internet, mailings to the home, and newspaper coverage emerged as the preferred techniques for receiving future information. A majority preferred quarterly, rather than more frequent, information.
- A great majority of participants indicated an interest in reviewing the Administrative Record of past AEC activities and current cleanup. Preferences for reading the Administrative Record were evenly split between library hardcopy and electronic (via Internet webpage).

The full results of the survey are given in Appendix C. Additional written comments from the survey are included in Appendix D.

Recommendations for Implementation

Recommendations for implementing the results from the survey include

- Continue to follow CERCLA requirements to allow and encourage public involvement in all stages of FUSRAP site cleanup.
- Create a **Mailing List** starting with the 15 participants who choose to include their contact information on the survey.
- Create an **Addendum** to the *Iowa Army Ammunition Plant Community Relations Plan Update (February 2009)* based on survey results.
- Identify **Outreach Activities** appropriate to the scope identified by the survey, specifically to provide community information through newspaper press releases.
- Use existing venues to communicate to the community, namely **Quarterly Reports** to the local Restoration Advisory Board.
- Remain poised to prepare more extensive community outreach activities should the need arise in response to future FUSRAP activities.

Appendix A

Postcard and Newspaper Ad

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**US Army Corps
of Engineers**

Iowa Army Ammunition Plant Survey Available for Public Input

Some contamination at the Iowa Army Ammunition Plant (IAAAP) is the result of activities associated with the nation's early atomic program. The U.S. Army Corps of Engineers (USACE) is addressing the contamination under the Formerly Utilized Sites Remedial Action Program (FUSRAP). Six areas at IAAAP are being evaluated in a Feasibility Study (FS) and Proposed Plan (PP) that will be published for public review. USACE wants to

establish an interactive relationship with the community through public participation. Public input will help guide the FS/PP. In order to find out what the public knows and is interested in learning, a public survey is available for input until January 21, 2010. Go to www.surveymonkey.com/iaaapsurvey to take the survey online, or you may fill in a copy of the survey at one of these locations:

- **Burlington Public Library**
210 Court Street, Burlington
- **Burlington City Hall**
400 Washington Street, Burlington
- **Danville City Hall**
105 West Shepherd Street, Danville
- **Middletown City Hall**
120 Mechanic Street, Middletown

Completed surveys may be left in the boxes provided at each location or mailed to us at Post Office Box 1285, Burlington, IA 52638-5000. You may also email FUSRAPatIAAAP@usace.army.mil to request a survey to be sent to you via email or call 1-800-594-3515 to take the survey by phone.

Thank you for your participation. We look forward to sharing the results of the survey with you in the future.

Sharon Cotner
U.S. Army Corps of Engineers, CEMVS FUSRAP Program Manager



**US Army Corps
of Engineers**

P.O. Box 1285
Burlington, IA 52638-5000

PRST STD
U.S. POSTAGE
PAID
Permit No. 849
Burlington, IA
52601

ECRWSS
Current Resident



Take the Time

Iowa Army Ammunition Plant Survey Available for Public Input

Some contamination at the Iowa Army Ammunition Plant (IAAAP) is the result of activities associated with the nation's early atomic program. The U.S. Army Corps of Engineers (USACE) is addressing the contamination under the Formerly Utilized Sites Remedial Action Program (FUSRAP). Six areas at IAAAP are being evaluated in a Feasibility Study (FS) and Proposed Plan (PP) that will be published for public review. USACE wants to establish an interactive relationship with the community through public participation. Public input will help guide the FS/PP. In order to find out what the public knows and is interested in learning, a public survey is available for input until January 21, 2010. You may take the survey online at www.surveymonkey.com/iaaapsurvey, or you may fill in a copy of the survey at one of these locations:

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105 West Shepherd Street, Danville
- **Middletown City Hall**
120 Mechanic Street, Middletown

Completed surveys may be left in the boxes provided at each location or mailed to us at Post Office Box 1285, Burlington, IA 52638-5000. You may also email FUSRAPatIAAAP@usace.army.mil to request a survey to be sent to you via email or call 1-800-594-3515 to take the survey by phone.



**US Army Corps
of Engineers**

Thank you for your participation. We look forward to sharing the results of the survey with you in the future.

Sharon Cotner
U.S. Army Corps of Engineers
CEMVS FUSRAP Program Manager

Appendix B

Survey (paper copy)

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IAAAP Community Survey on **Atomic Energy Commission Activities**

Some contamination at the Iowa Army Ammunition Plant (IAAAP) is the result of activities associated with the nation's early atomic program. The U.S. Army Corps of Engineers (USACE) is addressing the contamination under the Formerly Utilized Sites Remedial Action Program (FUSRAP). Six areas at IAAAP are being evaluated in a Feasibility Study (FS) and Proposed Plan (PP) that will be published for public review. USACE wants to establish an interactive relationship with the community through public participation. Public input will help guide the FS/PP. In order to find out what the public knows and is interested in learning, this survey is available for your input.

1. What do you know about the environmental impact of past Atomic Energy Commission (AEC) activities at Iowa Army Ammunition Plant (IAAAP)?

- I don't know anything about it. I know a little about it. I know a lot about it.

2. Are you aware of investigations underway at the IAAAP as a result of past AEC activities?

- no yes maybe

3. Do you know anything about current environmental cleanup at IAAAP?

- I don't know anything about it. I know a little about it. I know a lot about it.

4. Have you ever spoken with anyone at IAAAP or with the U. S. Army Corps of Engineers about concerns that you may have?

- no yes maybe

Was he or she responsive to you? Please explain here.

5. Have you participated in community outreach activities involving the IAAAP?

- no yes maybe

Please describe them here.

6. Would you like to be involved in future community outreach activities involving the IAAAP?

- no yes maybe

7. Would you come to a public meeting about environmental cleanup at the IAAAP?

- no yes maybe

8. How did you hear about environmental cleanup at IAAAP? (Please choose all that apply.)

- | | | |
|--|---|--|
| <input type="checkbox"/> Newspaper | <input type="checkbox"/> Radio | <input type="checkbox"/> TV |
| <input type="checkbox"/> Friends or Neighbors | <input type="checkbox"/> Internet | <input type="checkbox"/> Public Meetings |
| <input type="checkbox"/> Community Organizations | <input type="checkbox"/> Never Heard Anything | <input type="checkbox"/> Other |

9. Would you like to see the documents (called an Administrative Record) that tell about past AEC activities and current cleanup?

- | | | |
|-----------------------------|------------------------------|--------------------------------|
| <input type="checkbox"/> no | <input type="checkbox"/> yes | <input type="checkbox"/> maybe |
|-----------------------------|------------------------------|--------------------------------|

10. Where would you like to view the Administrative Record?

- | | |
|--|---|
| <input type="checkbox"/> On paper at the Burlington Public Library | <input type="checkbox"/> Electronically on the Internet |
|--|---|

11. How would you like to get information about the environmental cleanup at IAAAP?
(Please choose all that apply.)

- | | | |
|--|--|-----------------------------------|
| <input type="checkbox"/> Newspaper | <input type="checkbox"/> Public Meetings | <input type="checkbox"/> Radio |
| <input type="checkbox"/> Information mailed to my home | <input type="checkbox"/> TV | <input type="checkbox"/> Internet |
| <input type="checkbox"/> Email | | |

12. How often would you like to receive information?

- | | | |
|---|----------------------------------|------------------------------------|
| <input type="checkbox"/> Weekly | <input type="checkbox"/> Monthly | <input type="checkbox"/> Quarterly |
| <input type="checkbox"/> Other (please specify) _____ | | |

13. Do you have any additional comments?

14. If you would like to stay informed about IAAAP cleanup, please give us your contact information here.

The USACE respects your privacy and will not share this information in any way.

Name _____

Company _____

Address _____

City/Town _____ State _____ ZIP/Postal Code _____

Email Address: _____

Phone Number: _____

**Please leave completed survey in drop box provided or return by mail to
Matthew Bange, P.O. Box 1285 in Burlington, IA 52601.**

Appendix C

Full Survey Results

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IAAAP Community Survey on USACE activities

1. What do you know about the environmental impact of past Atomic Energy Commission (AEC) activities at Iowa Army Ammunition Plant (IAAAP)?			
		Response Percent	Response Count
I don't know anything about it.		18.2%	4
I know a little about it.		63.6%	14
I know a lot about it.		18.2%	4
<i>answered question</i>			22
<i>skipped question</i>			0




2. Are you aware of investigations underway at the IAAAP as a result of past AEC activities?			
		Response Percent	Response Count
no		28.6%	6
yes		52.4%	11
maybe		19.0%	4
<i>answered question</i>			21
<i>skipped question</i>			1






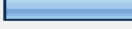

3. Do you know anything about current environmental cleanup at IAAAP?			
		Response Percent	Response Count
I don't know anything about it.		33.3%	7
I know a little about it.		52.4%	11
I know a lot about it.		14.3%	3
<i>answered question</i>			21
<i>skipped question</i>			1

4. Have you ever spoken with anyone at IAAAP or with the U. S. Army Corps of Engineers about concerns that you may have?			
		Response Percent	Response Count
no		68.2%	15
yes		31.8%	7
maybe		0.0%	0
Was he or she responsive to you? Please explain here.			6
<i>answered question</i>			22
<i>skipped question</i>			0

5. Have you participated in community outreach activities involving the IAAAP?			
		Response Percent	Response Count
no		68.2%	15
yes		22.7%	5
maybe		9.1%	2
Please describe them here.			6
<i>answered question</i>			22
<i>skipped question</i>			0

6. Would you like to be involved in future community outreach activities involving the IAAAP?			
		Response Percent	Response Count
no		36.4%	8
yes		27.3%	6
maybe		45.5%	10
<i>answered question</i>			22
<i>skipped question</i>			0








7. Would you come to a public meeting about environmental cleanup at the IAAAP?			
		Response Percent	Response Count
no		18.2%	4
yes		31.8%	7
maybe		50.0%	11
		<i>answered question</i>	22
		<i>skipped question</i>	0

8. How did you hear about environmental cleanup at IAAAP? (Please choose all that apply.)			
		Response Percent	Response Count
Newspaper		54.5%	12
Radio		4.5%	1
TV		0.0%	0
Public Meetings		18.2%	4
Internet		4.5%	1
Friends or Neighbors		40.9%	9
Community Organizations		22.7%	5
Never heard anything		9.1%	2
		<i>answered question</i>	22
		<i>skipped question</i>	0


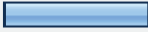
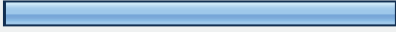
9. Would you like to see the documents (called an Administrative Record) that tell about past AEC activities and current cleanup?			
		Response Percent	Response Count
no		9.1%	2
yes		54.5%	12
maybe		36.4%	8
		<i>answered question</i>	22
		<i>skipped question</i>	0

10. Where would you like to view the Administrative Record?			
		Response Percent	Response Count
On paper at the Burlington Public Library		50.0%	11
Electronically on the Internet		59.1%	13
		Other (please specify)	1
		<i>answered question</i>	22
		<i>skipped question</i>	0



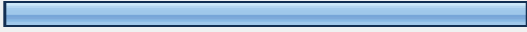



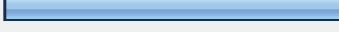
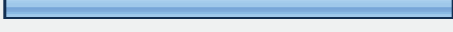
11. How would you like to get information about the environmental cleanup at IAAAP? (Please choose all that apply.)

		Response Percent	Response Count
Newspaper		31.8%	7
Radio		13.6%	3
TV		4.5%	1
Email		22.7%	5
Public Meetings		22.7%	5
Information mailed to my home		40.9%	9
Internet		45.5%	10
	Other (please specify)		1
	<i>answered question</i>		22
	<i>skipped question</i>		0

12. How often would you like to receive information?

		Response Percent	Response Count
Weekly		10.0%	2
Monthly		25.0%	5
Quarterly		70.0%	14
	Other (please specify)		3
	<i>answered question</i>		20
	<i>skipped question</i>		2

13. Do you have any additional comments?		
		Response Count
		6
	<i>answered question</i>	6
	<i>skipped question</i>	16

14. If you would like to stay informed about IAAAP cleanup, please give us your contact information here. The USACE respects your privacy and will not share this information in any way.			
		Response Percent	Response Count
Name:		100.0%	15
Company:		26.7%	4
Address:		93.3%	14
City/Town:		93.3%	14
State:		93.3%	14
ZIP/Postal Code:		93.3%	14
Email Address:		60.0%	9
Phone Number:		80.0%	12
	<i>answered question</i>		15
	<i>skipped question</i>		7

Appendix D

Additional Written Comments

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Question 4:

Have you ever spoken with anyone at IAAAP or with the U. S. Army Corps of Engineers about concerns that you may have?			
		Response Percent	Response Count
no		68.2%	15
yes		31.8%	7
maybe		0.0%	0
Was he or she responsive to you? Please explain here.			6
<i>answered question</i>			22
<i>skipped question</i>			0

Was he or she responsive to you? Please explain here.		
1	yes	Jan 4, 2010 7:24 PM
2	As a former member of the RAB, I always found the CoE representatives to be quite responsive to my concerns.	Jan 6, 2010 11:31 PM
3	Part of a group that requested a fly over of the Middletown community when a flyover of the IAAAP was scheduled	Jan 26, 2010 6:42 PM
4	Did not seem to care	Jan 26, 2010 6:45 PM
5	often, via subcontracts with Superfund projects	Jan 26, 2010 6:49 PM
6	Because of security issues, he was only able to discuss the subject briefly	Jan 26, 2010 7:09 PM

Question 5:

Have you participated in community outreach activities involving the IAAAP?			
		Response Percent	Response Count
no		68.2%	15
yes		22.7%	5
maybe		9.1%	2
Please describe them here.			6
<i>answered question</i>			22
<i>skipped question</i>			0

Please describe them here.		
1	I was on the Restoration Advisory Board briefly before I moved from the area.	Dec 23, 2009 4:14 AM
2	Went to a couple of RAB meetings.	Jan 4, 2010 7:24 PM
3	I served on the RAB	Jan 6, 2010 11:31 PM
4	This is the first.	Jan 26, 2010 6:38 PM
5	Line 1 worker compensation for health and death benefits	Jan 26, 2010 6:42 PM
6	It's been many years ago when I was on the professional staff of the Boy Scouts of America.	Jan 26, 2010 7:09 PM

Question 13:

Do you have any additional comments?		
		Response Count
		6
<i>answered question</i>		6
<i>skipped question</i>		16

Response Text		
1	I am a member of the Des Moines County Pioneer Cemetery Commission. There are several pioneer cemeteries on IAAP property. The commission would like to know if the cemeteries are involved as part of the cleanup.	Dec 19, 2009 4:38 PM
2	My grandmother was an inspector at the IAAP for many years and retired from there. She always told me of the dangers of the place.	Dec 24, 2009 4:29 PM
3	I am concerned about possible contamination at Skunk Creek which runs near my property. Also, I think public meetings should be held in spring, summer or fall so that transportation is not difficult.	Dec 30, 2009 2:31 PM
4	As a Middletown resident for 65 years, I am concerned about the effects of drinking, bathing, washing dishes and clothes, and swimming in contaminated water from the lake outside the IAAP	Jan 26, 2010 6:42 PM
5	I am sure that any cleanup will follow customary procedures fluxuation only by personnel and the limited knowledge of the times...	Jan 26, 2010 6:49 PM
6	Well, I think you guys are doing a great job. Essayons.	Jan 26, 2010 6:57 PM

Editor's Note:

Hard copy surveys were entered electronically on January 26, after the last surveys were received from collection boxes on January 21.