

Remedial Investigation/Feasibility Study

Former Camp Ellis Military Reservation
Fulton County, Illinois

FACT SHEET

November 2014

ACRONYMS

- CEMR: Camp Ellis Military Reservation
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
- DD: Decision Document
- DGM: Digital geophysical mapping
- FS: Feasibility Study
- FUDS: Formerly Used Defense Sites
- HTRW: Hazardous, Toxic, and Radioactive Waste
- MC: Munitions constituents
- MEC: Munitions and explosives of concern
- MEC HA: Munitions and explosives of concern hazard assessment
- MMRP: Military Munitions Response Program
- MRS: Munitions Response Site
- MRSPP: Munitions Response Site Prioritization Protocol
- NFA: No Further Action
- PA: Preliminary Assessment
- PAOI: Potential Areas of Interest
- RI: Remedial Investigation
- ROE: Right of Entry
- SI: Site Inspection
- UXO: Unexploded Ordnance

RI Report

A combined RI report has been prepared with all sites reported within a single document. The RI report documents the locations and density of MEC, nature and extent of MC and HTRW exceeding regulatory screening criteria in the affected media, analysis of contaminant fate and transport, and assessment of MEC hazards and risk from MC and HTRW to human health and ecological receptors. Field activities occurred in May 2012 and October to December 2012.

FS Report

A combined FS report will be prepared with all sites reported within a single document. The FS report will present the remedial action objectives, based on the results of the RI, and document the development and evaluation of remedial alternatives to achieve the remedial action objectives. The FS is expected to be completed in March 2015.

Proposed Plan

The preferred remedial alternative(s) from the FS will be presented to the public as the selected remedy in a proposed plan, including No Further Action (NFA), if site-related risks are found to be below acceptable limits. The proposed plan will be presented at a public meeting during the 30-day public comment period.

Decision Document

The selected remedy will be documented in a DD, which will include a summary of responses to public comments received on the proposed plan. Any changes to the remedy based on public comment will also be documented.

Public Involvement

Interested parties, landowners, and stakeholders have been interviewed and their comments and concerns were incorporated into a Public Involvement Plan that provides a road map for communicating information to the public on the status of the RI/FS and any subsequent response actions.

Informational public meetings will continue to be held at key decision points in the process and provide additional opportunities to have questions answered.

A public awareness program was established to provide project updates and provide safety information to citizens. The program utilizes displays at public events as well as web-based materials. An Information Repository has been established to house project documents at the Easley Pioneer Museum in Ipava, Illinois and is accessible to the public.

More information on Camp Ellis and the current phase of work, including this fact sheet, can be found at: <http://bit.ly/CampEllisIL>

The Three R's of Munitions Safety

- **R**ecognize - Unexploded Ordnance (UXO) can come in many shapes and sizes. It can be rusty or look like new. It can be out in the open, hidden in bushes or partially buried. The important thing to remember is that if you see what you think is UXO then you should retreat from the area and report it to authorities.
- **R**etreat - Make sure to never touch UXO, as they can be extremely dangerous. If you see UXO, immediately leave the area and do not disturb the item.
- **R**eport - If you come across what might be UXO, you should leave it be and report it to your local law enforcement by calling 911. They will be able to take care of the item. Do not use your cell phone near the item.

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THE ARMY

- Is dedicated to protecting human health and the environment by making MRSs and PAOIs safe to reuse.
- Is developing the MMRP by maximizing efficiencies and lessons learned from more than 20 years of environmental restoration experience.
- Has characterized the nature and extent of munitions-related contamination at the Camp Ellis MRSs and PAOIs to make informed risk management decisions to select the appropriate remedial options.

FOR MORE INFORMATION

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US Army Corps
of Engineers

The U.S. Army Corps of Engineers (USACE) is conducting an environmental investigation at the former Camp Ellis Military Reservation (CEMR) in Fulton County, Illinois. The Department of Defense is responsible for evaluating and cleaning up Department-generated environmental contamination at Formerly Used Defense Sites (FUDS) properties. The U.S. Army oversees the FUDS program and USACE manages the evaluation and cleanup of these properties following the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process. The Department of Defense cleanup program covers Hazardous, Toxic, and Radioactive (HTRW) sites and those addressed under the Military Munitions Response Program (MMRP). The Army's vision is to make Munitions Response Sites (MRSs) and Potential Areas of Interest (PAOIs) safe and clean for reasonable anticipated future use.

Cleanup Process

The CERCLA cleanup process starts with site identification followed by the preliminary assessment (PA) / site inspection (SI) and then Remedial Investigation (RI)/Feasibility Study (FS) phases, leading to a proposed plan, Decision Document (DD), remedial design, and eventual remedial action, as needed. A removal action may be undertaken at any point in the process to immediately stop, prevent, minimize, stabilize, mitigate or eliminate the release or threatened release of contaminants to the environment. During an SI, generally only presence or absence of contamination is determined, while during an RI, nature and extent of contamination is determined.

At the former CEMR, previous investigations, completed from 1998 to 2009, were generally equivalent to the PA/SI phase. A MEC removal action was completed at two areas in 2008 based on the results of the Engineering Evaluation / Cost Analysis completed earlier.

The objective of the current RI/FS is to achieve acceptance of a DD that presents the final decision or remedy for all environmental concerns at the former CEMR. The RI characterizes the nature and extent of munitions and explosives of concern (MEC), munitions constituents (MC), and HTRW-related contamination at the former CEMR MRSs and PAOIs in sufficient detail to complete the Munitions Response Site Prioritization Protocol (MRSPP) and prepare a MEC Hazard Assessment (HA) and human health and ecological risk assessment. The FS will evaluate appropriate remedial alternatives to mitigate the hazards or risks that are determined to be unacceptable.

RI/FS Field Activities

The current RI/FS supplements the previously collected data and includes the following activities:

- Digital geophysical mapping (DGM)
- Intrusive investigation of anomalies
- Environmental sampling
- Material management

Background

The former CEMR was used for training of engineer, medical, signal corps, and quartermaster troops during World War II. Industrial areas included water filtration and sewage treatment plants, maintenance shops, and a warehouse area. Ranges and training areas employed small arms, hand grenades, rifle grenades, rockets, mortars, and practice mines.



Engineers Training at Camp Ellis

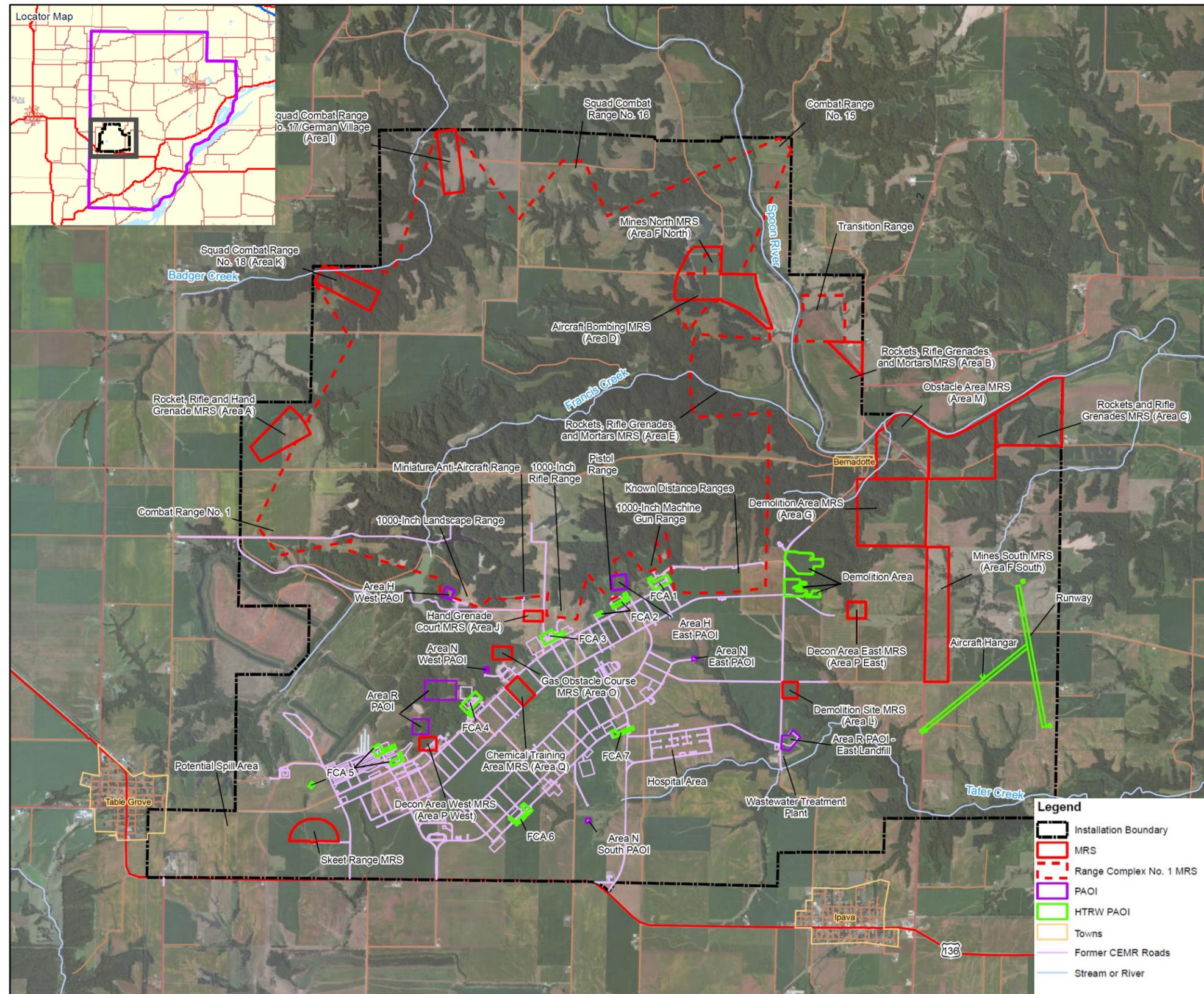
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Munitions Response Sites and Potential Areas of Interest

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MRS or PAOI Name	Size (Acres)	Remedial Investigation Recommendations
Aircraft Bombing MRS	130	FS for revised area
Chemical Training Area MRS	15	NFA
Decontamination Areas East and West MRSs	19	NFA
Demolition Areas G and L MRSs	174	NFA
Gas Obstacle Course MRS	9	NFA
Mines North MRS	11	FS as part of Area D
Mines South MRS	109	ROE Refused/Response Decision Not Possible
Hand Grenade Court MRS	7	NFA
Obstacle Area MRS	108	FS
Range Complex No. 1 MRS	6,104	Transition Range and Known Distance Range South - ROE Refused/Response Decision Not Possible All other areas - NFA
Rocket, Rifle, and Hand Grenade MRS	53	NFA
Rockets and Rifle Grenades MRS	321	Area C West - ROE Refused/Response Decision Not Possible Area C Northeast - ROE Refused/Response Decision Not Possible Area C Southeast - NFA
Rockets, Rifle Grenades, and Mortars MRS	462	Area B (Northeast Corner) - ROE Refused/Response Decision Not Possible Area B (Remaining) - NFA Area E - NFA
Skeet Range MRS	31	NFA
Area H East PAOI	8	NFA
Area H West PAOI	3	NFA
Area N PAOI	2	NFA
Area R PAOI	38	West Small and Large Landfills - NFA East Landfill - FS pending additional sampling, could be moved to NFA
Area S PAOI (All other lands)	10,070	NFA - Includes all portions of the former CEMR not included in other areas
HTRW PAOI (except WWTP)	248	NFA Facility Cluster Area 2 - NFA because response decision outside CERCLA
HTRW PAOI - WWTP	0.1	Sludge Digesters - FS Remainder of WWTP - NFA