

**FOR MORE INFORMATION**

Documents available for public review are located at:

Luckey Public Library  
228 Main Street  
Luckey, OH 43443

If you have questions, please contact:

The U.S. Army Corps of Engineers  
FUSRAP Team  
1776 Niagara Street  
Buffalo, New York 14207

Phone: 1.800.833.6390 (Option 4)

E-mail: [fusrap@usace.army.mil](mailto:fusrap@usace.army.mil)

Web: [www.lrb.usace.army.mil/fusrap/index.htm](http://www.lrb.usace.army.mil/fusrap/index.htm)

**You are invited!**

**POSTER SESSION**

You are invited to attend an information session regarding the Luckey FUSRAP Site on

July 27, 2010

6 p.m. to 8 p.m.

American Legion Post 240

Located at 335 Park Drive, Luckey, Ohio 43443.

The Corps of Engineers project team will give a short presentation, answer questions, and provide information about the status of the site.

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**LUCKEY SITE NEWS**  
**FORMERLY UTILIZED SITES REMEDIAL ACTION PROGRAM**

## WHAT IS FUSRAP?

FUSRAP stands for the Formerly Utilized Sites Remedial Action Program, a program initiated in 1974 to identify, investigate and clean up or control sites that were part of the Nation's early atomic energy and weapons program. Activities at sites that are eligible for FUSRAP were conducted by the Manhattan Engineer District (MED) or the Atomic Energy Commission (AEC), both predecessors of the Department of Energy (DOE).

## MISSION AND OBJECTIVES

The FUSRAP mission is to identify, evaluate, and clean up or control sites where residual radioactivity exceeding current guidelines remains from MED/AEC contract activities and other sites assigned by Congress. The Corps' FUSRAP objectives are to safely, effectively and efficiently:

Identify and evaluate sites where authority and a need for response action exist.

- Clean-up or control the sites to ensure protection of human health and the environment.
- Dispose or stabilize radioactive material in a way that is safe for the public and the environment.
- Perform work in compliance with applicable Federal, State, and local environmental laws and regulations.
- Release sites for appropriate future use.

## DEAR INTERESTED CITIZEN,

You are invited to attend a poster session regarding the Luckey Formerly Utilized Sites Remedial Action Program (FUSRAP) Site on Tuesday, July 27, 2010, from 6 p.m. to 8 p.m. at American Legion Post 240, located at 335 Park Drive, Luckey, Ohio 43443. The purpose of this newsletter and the upcoming information session is to provide you with details of current and future activities at the site.

The Corps received \$1 Million in American Recovery and Reinvestment Act funds in 2009 that allowed the Corps the opportunity to obtain field and laboratory data required to proceed with environmental remediation at the Luckey site. The additional work was completed in early 2010.

To ensure that impacted groundwater is not migrating offsite, the Corps will be performing annual groundwater monitoring in late July. Groundwater sampling will continue on an annual basis until remediation of the site begins, at which time monitoring will become more frequent to ensure the protection of the surrounding community.

You can learn more about the Luckey FUSRAP Site activities inside this newsletter. Please contact us if you have any additional questions; we can be reached by phone at 800.833.6390 (option 4) or e-mail us at [fusrap@usace.army.mil](mailto:fusrap@usace.army.mil). We hope to see you at our Information Session!

Respectfully,

*The U.S. Army Corps of Engineers FUSRAP Team*



Luckey Site Historical Photograph (1951)

## SITE DESCRIPTION AND HISTORY

The Luckey Site is located at 21200 Luckey Road near the Village of Luckey, Ohio, 22 miles southeast of Toledo. The site is bordered by Luckey Road to the west, Gilbert Road to the south, and abandoned railroad tracks to the east. The site is zoned industrial and is currently vacant. The Luckey Site covers approximately 40 acres. Numerous open areas are covered with grasses and brush. Several areas were previously used to store byproducts from magnesium and beryllium processing.



Collection of surface samples

In 1942 a magnesium processing facility was built at the site on U.S. Government land. The facility was operated for the U.S. government by National Lead during World War II until 1945. In 1949, the Atomic Energy Commission (AEC) built a beryllium production facility at the site where Brush Beryllium Company (later Brush Wellman) produced beryllium oxide, beryllium hydroxide, and beryllium pebbles. The products were then shipped to other facilities for further processing.

In late 1951 and early 1952, the AEC sent approximately 1,000 tons of radioactively contaminated scrap metal to the site in anticipation of resuming magnesium processing at the facility. The scrap metal, which contained radioactivity within guidelines at the time, was stored at the site, and never used for its intended purpose. Records also indicate that beryllium scrap from other AEC operations was being sent to Luckey for reprocessing. Indications are that some of this scrap was contaminated with radio-



Installation of site monitoring well

activity. Brush Beryllium Company operated the facility until 1958 when beryllium production ceased. However, sintering and powder blending operations, established at the Luckey facility in 1957, continued until 1962.

In 1959, AEC contracted with Brush Beryllium Company to close the facility. Closing operations included constructing a two-acre dike enclosed landfill on the northeast corner of the property. Sludge material from the three lagoons was moved to the landfill, which was reportedly capped, graded, and seeded. The Federal Government sold the facility in 1961. The facility has had various owners since then.

## SITE STATUS

With funds provided by the American Recovery and Reinvestment Act (ARRA), the Corps completed a field investigation in March 2010 that included soil sampling and radiological, geophysical, and topographic surveys on the Luckey Site. Additional groundwater monitoring wells were also installed. The results of this work will provide the Corps with the information necessary to update the estimated cost associated with the cleanup outlined in the 2006 Record of Decision (ROD) and complete the remedial design. The remedial design, which is now being prepared, will provide the detailed methods required to implement the remedial action that was specific in the ROD.

Groundwater monitoring is being performed annually on the site. The Corps of Engineers signed the ROD for the Groundwater Operable

Unit of the Luckey Site in 2008. The remedy in this Groundwater ROD is monitored natural attenuation of groundwater. This means that groundwater wells are sampled annually for beryllium, lead, uranium and gross alpha/beta until sampling results show a progressive trend that indicates safe drinking water standards have been met. During remedial action, more frequent monitoring will be conducted to meet the requirements of the Groundwater ROD. Land-use controls concerning site groundwater will be implemented during the monitoring period to ensure there is no new groundwater development or changes in groundwater use.

Once soil remediation begins, the Corps will excavate impacted soils to achieve cleanup goals for unrestricted use of the site for subsistence farming. Excavated soils will be shipped off site for disposal at a licensed/permitted disposal facility. The cleanup of site soils detailed in the ROD will be scheduled based upon completion of other FUSRAP site cleanups and the availability of FUSRAP funds nationally.



Radiological scanning of soil core samples



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