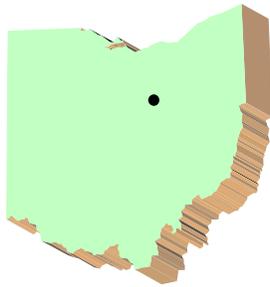




US Army Corps
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FUSRAP Fact Sheet

Luckey Site

Luckey, Ohio

U.S. Army Corps of Engineers, Buffalo District • August 2000

The Formerly Utilized Sites Remedial Action Program (FUSRAP) was initiated by the Atomic Energy Commission in 1974 to identify and clean up contaminated sites used in the early years of the nation's atomic energy program. Management of the program was transferred to the U.S. Army Corps of Engineers from the U.S. Department of Energy in October 1997.

Site Description

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's current tenant is Uretech International, a company that molds urethane parts for the automobile industry.

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. Structures on the property include a large production building, utility buildings, and a warehouse.

Site History

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. The facility operated 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 that 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 radioactivity.

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 2-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.

General Services Administration (GSA) sold the facility in 1961 to the Aluminum and Magnesium division of Vulcan Materials Company, which also performed magnesium operations. In 1968, the property transferred to Goodyear Tire and Rubber Company, and in 1988 to Motor Wheel Corporation, now Hayes Lemmerz International, Inc.



Aerial view of the Luckey Site taken in the early 1950s. Note the construction of the lagoon area in the right-front area of the plant.

Site Studies

Onsite contamination at the Luckey Site has been identified in surveys by the Ohio Environmental Protection Agency, the Ohio Department of Health, the U.S. Department of Energy, and the U.S. Army Corps of Engineers, the agency managing the cleanup program at this time.

In December 1988, Oak Ridge National Laboratory conducted a preliminary radiological survey at the site. The survey showed that several areas contain radiological contamination, primarily from radium, in excess of guidelines. In addition, beryllium concentrations in the soil at the site and sediments in Toussaint Creek are well above background levels. Localized groundwater contamination due to beryllium has also been detected.

Because some areas of the site have residual radioactivity exceeding guidelines and beryllium waste, the Luckey site was designated for cleanup under the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1992.

A more detailed study of site environmental conditions is underway. A Remedial Investigation Report is being finalized to document the extent of contamination at the site. A Baseline Risk Assessment is being performed to evaluate the potential risks to human health and the environment. The results of the Baseline Risk Assessment provide a basis for determining whether cleanup is warranted. The project has been divided into operable units to simplify and organize the Feasibility Study. The operable units are on-site soils, off-site soils, ground water, Toussaint Creek sediments, and on-site buildings. The Feasibility Study identifies and evaluates possible cleanup solutions to determine their effectiveness in protecting human health and the environment.

For More Information

For more information, please call the FUSRAP toll-free public access line.

Toll-free Telephone Number: 1-800-833-6390

FUSRAP also has a home page on the Internet.

Buffalo District Web Page Address for the Luckey Site is:

<http://www.lrb.usace.army.mil/fusrap/luckey/index.htm>

Please let us know if you would like to be included on the mailing list for the Luckey Site. You may also contact the:

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