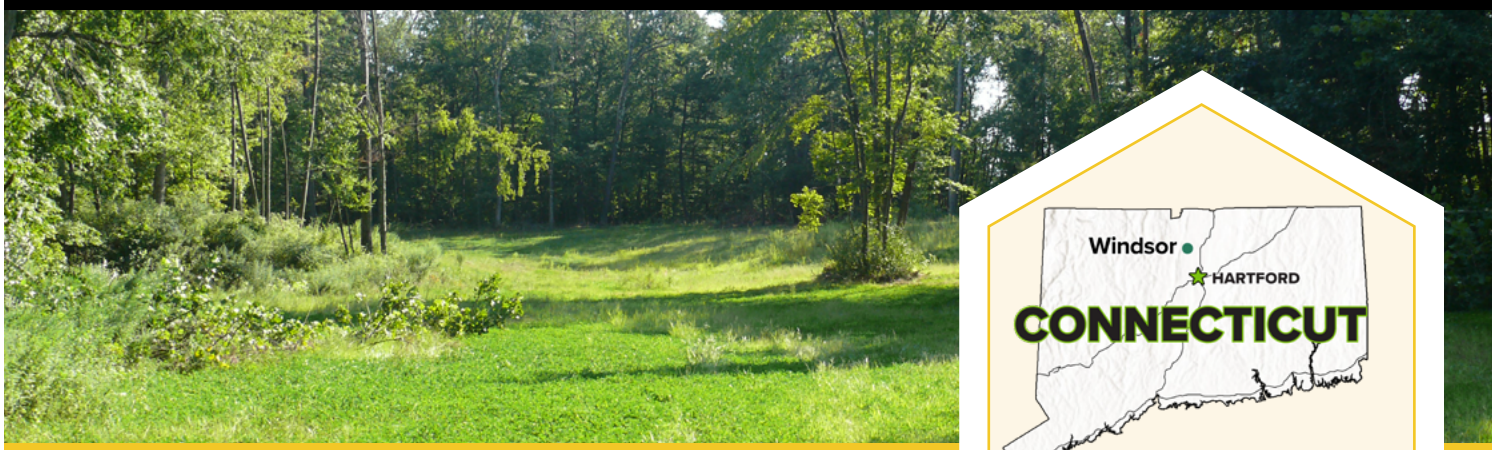
Fact Sheet

U.S. DEPARTMENT OF ENERGY | Legacy Management



Windsor, Connecticut, Site

A FUSRAP site

This fact sheet provides information about the **Windsor site**. Long-term stewardship responsibilities for this site are managed by the **U.S. Department of Energy Office of Legacy Management** under the **Formerly Utilized Sites Remedial Action Program**.

Site Information and History

The Windsor, Connecticut, Site, formerly known as the Combustion Engineering (CE) Site, is owned by ABB, Inc. and covers approximately 612 acres. It is located at 2000 Day Hill Road, Windsor, Connecticut. The Windsor site is 8 miles north of Hartford, Connecticut, and within 3 miles of the Bradley International Airport. The site is bordered on the south by Day Hill Road, which features agricultural and commercial properties. West of the site are commercial properties and a sand and gravel quarry; north of the site are the Windsor/Bloomfield Sanitary Landfill and Recycling Center; and east of the site is forested land, as well as residential and commercial properties. The northwest corner of the site is bordered by the Rainbow Reservoir portion of the Farmington River.

While under contract with the U.S. Atomic Energy Commission (AEC) from 1955 to 1962, the site was used to research, develop, and manufacture nuclear fuel; to develop, design, and fabricate fuel-element subassemblies for submarines; and to construct and operate the S1C test reactor facility for the U.S. Navy. From the early 1960s to 2000, other non-AEC commercial nuclear fuel operations and related radiological services were performed under U.S. Nuclear Regulatory Commission (NRC) license at the CE site. These activities were conducted under contracts with the U.S. government and commercial customers. Due to spills and leaks associated with these operations and waste disposal practices, various buildings, wastewater lines, and land areas were radiologically contaminated.

In the early 1990s, the U.S. Department of Energy (DOE), a successor to AEC, reviewed site records and completed investigative site surveys. In 1994, DOE determined that certain areas of the property were eligible for remedial actions under the Formerly Utilized Sites Remediation Program (FUSRAP). Between 1998 and 2007, the U.S. Army Corps of Engineers (USACE) performed additional site characterization and remedial investigation fieldwork. USACE also published risk assessment and feasibility study reports for the FUSRAP-eligible areas of the site. There was extensive commingling of FUSRAP-related materials with NRC-regulated materials.

Regulatory Setting

AEC, a predecessor agency to DOE, established FUSRAP in March 1974 to evaluate radioactive contamination at sites used in the development of nuclear weapons and atomic energy programs. DOE has the authority, under the Atomic Energy Act (AEA) of 1954, to perform radiological surveys, monitoring, and maintenance at sites used to support the activities of DOE's predecessor agencies. DOE also has authority under AEA to remediate FUSRAP sites identified as requiring some form of response action.

In 1997, Congress transferred responsibility for FUSRAP site characterization and remediation from DOE to USACE. Since 1997, response actions at FUSRAP sites have been conducted in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended, and the National Oil and Hazardous Substances Pollution Contingency Plan. The DOE Office of Legacy Management (LM) retains responsibility for long-term stewardship of remediated FUSRAP sites. For more information about the program, please see the FUSRAP fact sheet.

In December 2007, CE, NRC, USACE, and DOE agreed that CE would conduct site decommissioning under NRC regulations. CE finalized the Selected Remedy Plan (SRP). The SRP is the decision document that includes the selected remedial actions for the FUSRAP areas at the site. Remediation of the FUSRAP areas began in 2009. Radiologically contaminated soils and impacted wastewater lines were excavated and transported to a licensed off-site facility for disposal. Radiologically impacted buildings were decontaminated and demolished and building debris was disposed of off-site.

Remedial actions in the FUSRAP areas were completed in 2011. Upon completion, final status surveys were conducted, and the data were provided to USACE and Connecticut Department of Energy and Environmental Protection (CTDEEP) for concurrence that the areas met the criteria for unlimited use and unrestricted exposure. With concurrence from USACE and CTDEEP, the NRC License (06-00217-06) was terminated in September 2013. The Windsor Site closeout report, documenting the completion of the FUSRAP remedial actions, was finalized in January 2017.

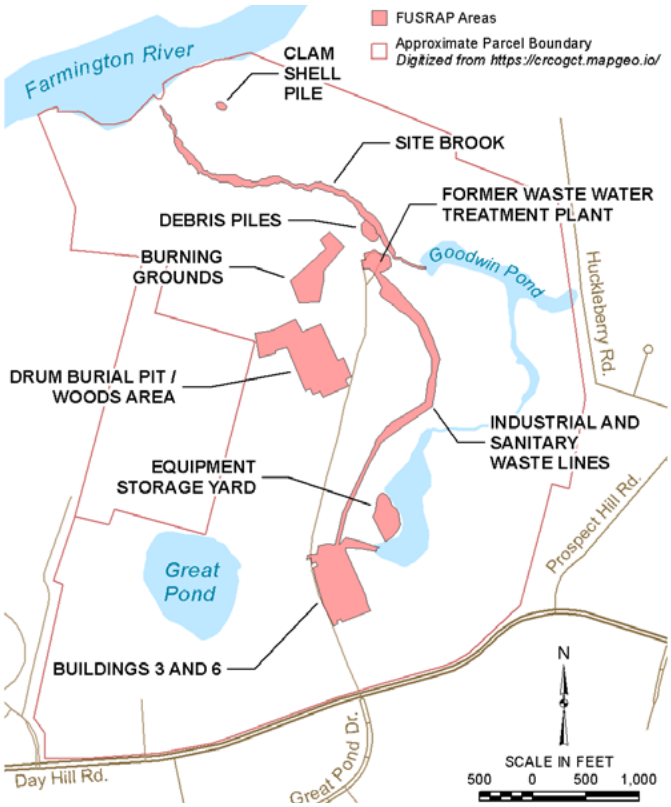
In January 2019, USACE transferred long-term stewardship responsibility for the Windsor site to LM.

Current Site Conditions

The Windsor site is privately owned and a mixed use development is under construction. The cleanup activities performed at the Windsor site allow for unlimited use and unrestricted exposure of the property.

Legacy Management Activities

LM's responsibilities consist of managing site records and responding to stakeholder inquiries.



Location of the FUSRAP Areas.

CONTACT INFORMATION

IN CASE OF AN EMERGENCY AT THE SITE, CONTACT 911

LM TOLL-FREE EMERGENCY HOTLINE: (877) 695-5322

Site-specific documents related to the **Windsor, Connecticut, Site** are available on the LM website at **www.energy.gov/lm/windsor-connecticut-site**

For more information on FUSRAP site history or current long-term stewardship activities, contact:
U.S. Department of Energy
Office of Legacy Management
2597 Legacy Way
Grand Junction, CO 81503

Email:
FUSRAPinfo@lm.doe.gov
public.affairs@lm.doe.gov

DOE Office of Legacy Management
(970) 248-6070

www.energy.gov/lm

www.facebook.com/OfficeofLegacyManagement

www.linkedin.com/showcase/office-of-legacy-management

07/2023