

Successes In Contaminated Site Clean-up



Mound Site Miamisburg, OH



Mound Site

Miamisburg, OH

- Operated for 47 years (1948-1991)
- Functioned as a research, development, and production facility
- Specialized in explosives and nuclear technology

Mound Site Miamisburg, OH

Primary Contaminants:

- Volatile Organic Compounds (VOCs)
- Radionuclide contamination in soil:
Plutonium and Thorium

Mound Site

Miamisburg, OH

The end vision for Mound Site is for the land to be conveyed to Miamisburg Mound Community Improvement Corporation (MMCIC) to be used for reindustrialization of the area

To date, several facilities have been leased to private companies, and 120 of the 306 acres of land has been transferred to MMCIC for economic reuse

Mound Site Miamisburg, OH



Rocky Flats Near Denver, CO



Rocky Flats Near Denver, CO



Rocky Flats, 1983



Rocky Flats, 2007

Rocky Flats

Near Denver, CO

- Beginning in 1952 and continuing for nearly 40 years, the U.S. government manufactured nuclear weapons components from plutonium, uranium, beryllium and stainless steel.
- Rocky Flats shut its operations in 1989 in response to alleged violations of environmental statutes that were made after a raid by the FBI and the EPA. In 1992, with the end of the "Cold War," the U.S. decided not to resume production of nuclear weapons parts at Rocky Flats.

Rocky Flats

Near Denver, CO

Primary Contaminants:

- Volatile Organic Compounds (VOCs)
- Radionuclide contamination in soil:
Plutonium, Uranium and Americium

Rocky Flats

Near Denver, CO

- The site was cleaned up as an accelerated action through federal and state oversight, with DOE as the lead agency. Most of the activities at the site were completed under the terms of the Rocky Flats Cleanup Agreement signed by DOE, EPA and CDPHE in July 1996.
- Cleanup was completed October 13th, 2006, 14 months ahead of schedule
- Once cleanup was completed, the site was declared a National Wildlife Reserve

Rocky Flats

Near Denver, CO

The Rocky Flats Closure Project was an enormous undertaking. To complete its mission, private contractor Kaiser-Hill:

- Removed more than 21 tons of weapons-useable nuclear materials
- Decontaminated and demolished 800 structures, comprising more than 3 million square feet
- Drained 30,000 liters of plutonium solutions
- Size reduced and removed more than 1,450 contaminated production glove boxes and 700 tanks
- Stabilized and packaged 100 tons of high-content plutonium residue
- Performed environmental cleanup actions at 130 sites
- Dispositioned millions of classified items and excess property
- Safely shipped more than 600,000 cubic meters of radioactive waste
- enough to fill a string of railcars 90 miles long

Rocky Flats Near Denver, CO

