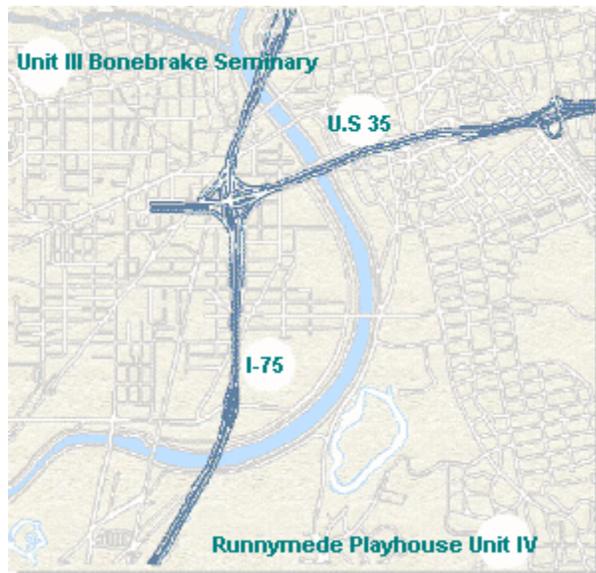


The Dayton Sites



Dayton, Ohio

In the 1940's, the Manhattan Engineering District contracted Monsanto Chemical Company to investigate the chemistry and metallurgy of radioactive polonium-210. Polonium-210 was used as a part of the neutron source for atomic weapons. Monsanto set up operations in Dayton, Ohio, known as the Dayton Project. The Dayton Project consisted of four units and a warehouse. The Warehouse was used to store bio-assay samples. Unit I conducted spectrographic and X-ray work until 1949. Unit II was another government project not related to atomic energy. Unit III was used as a laboratory for

research into the extraction and purification polonium-210. Unit IV was used as part of Monsanto's atomic energy research and development program until Mound Laboratory was complete in 1949.

Units III & IV were recommended for inclusion into the FUSRAP program by U.S. Department of Energy (DOE) for further assessment. In late 1999 the two sites were added to the FUSRAP program, now managed the U.S. Army Corps of Engineers. Later, Dayton Unit I and the Dayton Warehouse were also recommended for inclusion into the FUSRAP program.

The U.S. Army Corps of Engineers conducted Preliminary Assessments/Site Inspections at each of the four sites. In October 2005, the Corps determined that no further action was required at the Dayton Sites under FUSRAP.

See the links below for more information on the individual sites comprising the Dayton Project.

[Dayton Unit I:](#) Beginning in 1943, Monsanto used Unit 1 facilities at 1515 Nicholas Rd. to organize the polonium project and recruit personnel.

Dayton Unit III: Monsanto leased a property at 1601 West First Street in Dayton from the Dayton Board of Education. It was referred to as Unit III of Monsanto's Central Research Department (Bonebrake Theological Seminary).

Dayton Unit IV: The Corps of Engineers leased Runnymede Playhouse for use by the project. This site, referred to as Unit IV, was used by Monsanto for part of its atomic energy research and development program until Mound laboratory was completed in 1949.

Dayton Warehouse: The Warehouse is located at 601 East Third Street in Dayton, OH. Operations included the analysis of environmental monitoring samples, bioassay samples, and preliminary biological studies on the effect of polonium-210 on laboratory animals.

Related Link: [U.S. Army Corps of Engineers, Buffalo District, FUSRAP](#)

For environmental questions relating to this site contact:

Brian Nickel

Ohio EPA/SWDO/DERR
401 Fifth Street
Dayton, OH 45402-2911
(937) 285-6468