



Separations Process Research Unit Site Cleanup By the Numbers

The Separations Process Research Unit (SPRU) is an inactive facility located at the Knolls Atomic Power Laboratory (KAPL) in Niskayuna, New York, near Schenectady. The Mohawk River forms the northern boundary of this site. KAPL was created as a general-purpose laboratory for the former U.S. Atomic Energy Commission. Built in the late 1940s, the buildings G2 and H2 supported the SPRU mission to research the chemical process to extract plutonium from irradiated materials. Equipment was flushed and drained, and bulk waste was removed following the shutdown of the SPRU facilities in 1953. Today, process vessels and piping have been removed from all the SPRU facilities and the buildings have been demolished, with final cleanup expected in 2018. In 2010, cleanup of radioactivity and chemical contamination in the SPRU Lower Level Railroad Staging Area, Lower Level Parking Lot, and SPRU North Field areas was completed.

9,700 gallons
of residual liquid from tanks
treated through solidification.

More than **80** process vessels and
tanks removed and shipped for disposal.

14 shipments of residual
liquids from tanks shipped
off-site for permanent disposal.

15 acres of land remediated.

29,000 square feet
of building footprint demolished.

More than **4,000** shipments of
low level waste.



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