

NPL Site Narrative for Hanford 1100-Area (USDOE)

HANFORD 1100-AREA (USDOE) Benton County, Washington

Conditions at proposal (June 24, 1988): The Hanford 1100-Area is approximately 1 mile north of the City of Richland, Benton County, Washington, in the southeast section of the 570-square-mile Hanford Site. Since 1943, Hanford has been the scene of Federal nuclear activities, primarily production of nuclear materials for national defense.

The U.S. Department of Energy (USDOE) conducts maintenance operations in the 1100-Area. The area covers less than 1 acre and contains a sand pit, an underground tank, and other areas of potential contamination. An estimated 15,000 gallons of waste battery acid were disposed of in the pit; the tank, which was used to store waste antifreeze, was suspected of leaking.

Ground water occurs at 24 feet, with highly permeable sand and gravel overlying the aquifer; these conditions facilitate movement of contaminants into ground water. To date, USDOE has not detected any contaminants in ground water in the 1100-Area. Richland has wells within 3 miles of the 1100-Area that draw drinking water from the shallow aquifer. The nearest well is 2,640 feet from the disposal area. Almost 70,000 people obtain drinking water from wells within 3 miles of the 1100-Area.

EPA, USDOE, and the Washington Department of Ecology (WDOE) are jointly developing an action plan that will include the work needed to address this area under the Superfund program, as well as other work needed to meet permitting, corrective action, and compliance requirements of Subtitle C of the Resource Conservation and Recovery Act.

Status (October 4, 1989): On May 15, 1989, EPA, USDOE, and WDOE signed a comprehensive agreement for the cleanup of the entire Hanford Site, including the area covered in this NPL site. This Federal Facility Agreement and State Consent Order contains schedules for remedial investigations and feasibility studies for Superfund work at the Hanford Site.

For more information about the hazardous substances identified in this narrative summary, including general information regarding the effects of exposure to these substances on human health, please see the Agency for Toxic Substances and Disease Registry (ATSDR) ToxFAQs. ATSDR ToxFAQs can be found on the Internet at [ATSDR - ToxFAQs](http://www.atsdr.cdc.gov/toxfaqs/index.asp) (<http://www.atsdr.cdc.gov/toxfaqs/index.asp>) or by telephone at 1-888-42-ATSDR or 1-888-422-8737.