

NPL Site Narrative for Lawrence Livermore Laboratory (USDOE)

LAWRENCE LIVERMORE LABORATORY (USDOE) Livermore, California

Conditions at proposal (October 15, 1984): Lawrence Livermore National Laboratory (LLNL) covers about 1 square mile and is situated about 3 miles east of the densely populated city of Livermore, Alameda County, California. It was first used in the 1940s as a Naval Air Station. In 1952, it was transferred to the U.S. Atomic Energy Commission and established as a nuclear weapons and magnetic fusion energy research facility. It is now operated by the University of California for the owner, the U.S. Department of Energy (USDOE).

Throughout its history, hazardous materials have been used, stored, and disposed of on the property. Solvents, petroleum, and other organic chemicals used on-site have been found in the soils and ground water both on-site and off-site. Sources of discharge of hazardous materials into the ground water at the site include two known landfills where solvents and other chemicals were disposed of, as well as outdoor storage facilities, underground tanks, and pipelines.

In September 1984, the California Department of Health Services (CDHS) issued an Order for Compliance to LLNL to provide alternative water supplies to residents west of the facility whose wells had been contaminated by hazardous substances from LLNL. The order also directed LLNL to conduct a ground water investigation.

Status (July 22, 1987): In November 1985, the California Regional Water Quality Control Board (CRWQCB) issued an order directing LLNL to investigate and clean up the on- and off-site contamination. In response, LLNL has been investigating the source and the vertical and lateral extent of the contamination of soil and ground water.

In 1986, a plume of ground water contaminated with volatile organic compounds, primarily tetrachloroethylene, was found to have migrated 3,600 feet west of LLNL.

LLNL (with oversight from EPA, CRWQCB, and CDHS) is continuing to investigate the extent of soil and ground water contamination at the facility. To date, LLNL has installed over 160 monitoring wells.

EPA is currently negotiating an Interagency Agreement with USDOE and LLNL to cover cleanup activities under CERCLA Section 120.

LLNL has applied for permits under Subtitle C of the Resource Conservation and Recovery Act (RCRA) for an incinerator and for a new treatment and storage facility. To date, no other RCRA units have been identified requiring closure or corrective action.

Within the boundaries of this Federal facility, there are areas subject to the RCRA Subtitle C corrective action authorities. However, no such areas were included in scoring this specific site. Therefore, this

Federal facility site is being placed on the Federal section of the NPL under the NPL/RCRA policy announced on September 8, 1983 (48 FR 40662).

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.